2007

HUMMER®

NAVIGATION SYSTEM

The Navigation System Supplement

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Important Notes About this Manual

■ PREFACE

GENERAL MOTORS, GM and the GM Emblem, HUMMER and the name HUMMER are registered trademarks of General Motors Corporation.

The name H3 is a trademark of General Motors Corporation.

This supplement includes the latest information available at the time it was printed. We reserve the right to make changes in the product after that time without notice.

Please keep this supplement with the owner's manual in your vehicle, so it will be there if you ever need it while you're on the road. If you sell your vehicle, leave the owner's manual supplement and the owner's manual with the vehicle.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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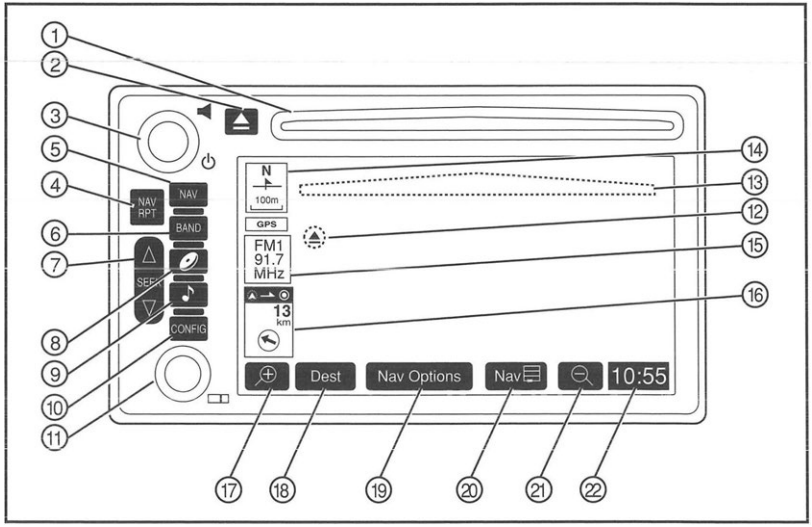
■ NAVIGATION SYSTEM OVERVIEW

1. CD Loading Slot
2. ⏏ Open/Close Faceplate and CD Player Eject Button
3. Power/Volume Knob
4. **NAV RPT** (navigation repeat) Hard Key
5. **NAV** (navigation) Hard Key
6. **BAND** Button
7. ▲**SEEK**▼ Switch
8. CD Button
9. ♪ Audio Button
10. **CONFIG** (configure) Button
11. ▭ Tuning Knob



The following features are hidden behind the system's faceplate:

12. ⏏ Eject Map DVD Button
13. Map DVD Loading Slot

See "Hard Keys" under "Basic System Information" later in this section for more information.

The following are touch-sensitive buttons and symbols that may appear on the screen:

14. North Up Symbol

    See "Symbols" for more information.

15. AM/FM Band Indicator

    See "Audio System" for more information.

16. Distance to Destination and Estimated Travel Time Symbol

    See "Symbols" for more information.

17. Zoom In Button

    See "Map Scales" for more information.

18. **DEST** (set destination) Button

    See "Enter Destination" for more information.

19. **NAV OPTIONS** (navigation options) Button

    See "Navigation Options Menu" for more information.

20. **NAV** (navigation menu) Button

    See "Navigation Menu" for more information.

21. Zoom Out Button

    See "Map Scales" for more information.

22. Time Display

    See "Clock Menu" for more information.

■ GETTING STARTED

Your vehicle is equipped with a Navigation System which has the following integrated features:

- Radio
- CD Player

The navigation system allows you to plan a route and provides turn-by-turn route and map guidance with voice prompts.

The navigation system also allows you to select a destination using various methods and choices (street addresses, intersections, destinations stored in memory, points of interest, etc.).

Before you begin to operate this system, please read this manual thoroughly to become familiar with it and to understand how the system works.

While your vehicle is parked, take the time to familiarize yourself with the system controls and operation, and to set up various features.

That way, you will be able to use the system with less effort and less distraction from the road.

Entering alpha-numeric text requires many steps, so you can only perform these operations while the vehicle is parked. You will notice that touch-sensitive screen buttons leading to the alpha-numeric keypad are dim and inoperable while driving.

Other functions may also be inoperable while driving and they, too, will appear dim on the screen.

All functions are available when parked. Some functions can be performed while driving, however make sure not to divert too much attention from your driving.

⚠ CAUTION

Giving extended attention to entertainment or navigation tasks while driving will greatly increase the risk of a collision that may cause personal injury or death.

Road safety has absolute priority. Only operate this system if the road and traffic conditions allow you to do so. The driver's full attention is always required while driving.

The navigation system is designed to assist you while driving, but it is possible that the information in the system may not always be complete.

Road conditions, such as no turns, detours and construction, change frequently.

It is important to consider whether or not you can safely and legally follow the directions given by the system.

⚠ CAUTION

Looking at the moving map on the navigation screen frequently or for too long while driving can cause a crash.

You or others could be injured or killed.

The driver's full attention is always required while driving.

Use voice guidance directions whenever possible.

In order to use navigation mapping features, the mapping data DVD must be loaded in the map DVD loading slot.

See "Installing the Map DVD" later in this section for more information.

When getting started, you may set the navigation system to your preferences using various options. To do so, see the following:

- Configure Menu
- Navigation Setup

For more information on navigation mapping features, see the following:

- Navigation Features and Controls

To plan a route, see "Destination" under "Navigation Features and Controls".

If you wish to change the language of the system voice prompts from what the system is currently set for, see "Navigation Setup" under "Navigation Menu".

Installing the Map DVD

Read through all of the following procedure before operating this feature.

When your vehicle was delivered from the factory, the dealer may have installed the map DVD. If the DVD was not installed in your vehicle when first purchased, use the following directions to load the DVD:

1. Press lightly on the power/volume knob to turn the system on.
2. Press and hold the ⏏ (open/close faceplate) button for approximately 12 seconds.

   The faceplate will then release and open quickly.
3. Insert the disc part-way into the map DVD loading slot. The system will pull it in the rest of the way.

NOTICE

If you try to close the screen by pushing down on the center and not the outer edges, the screen could be damaged. The repairs would not be covered by your warranty.

Always use the outer edges when closing the screen.

4. To close the screen, push up slightly on the two outer top corners until the screen is in position.

   Push the screen inward using the four outer corners until you hear a click.

5. A notice may appear.

   The caution screen will appear every 50 times the vehicle is started and the navigation system is turned on.

   Touch the **NEXT** button to load the map DVD information and use the navigation features.

   The map will appear and your current vehicle position will be displayed.

Cleaning the System

If the panel or the display is stained, wipe it with a soft cotton cloth, dampened with clean water.

■ BASIC SYSTEM INFORMATION

This section describes the basic information you will need to know to operate the Navigation System. You should read this section thoroughly to become familiar with it.

The basic controls consist of buttons (or "hard keys"), knobs and a touch-sensitive screen.

Note:

Once the vehicle is moving, various functions will be disabled to limit driver distraction.

Hard Keys

The following hard keys are located on the outside of the Navigation System screen:

- **Power/Volume Knob**

  Press the knob to turn the system on or off.

  Rotate the power/volume knob to the right to increase the volume and to the left to decrease the volume.

- **NAV RPT (navigation repeat) Hard Key**

  If the map screen is already displayed, you may press this button to have the system repeat the last voice prompt.

- **NAV (navigation) Hard Key**

  Press this button to go to the navigation map screen.

  If no route has been planned, the map screen that appears will show the following information:

  - the north or heading up symbol
  - time
  - map scales
  - current radio station frequency

  If a route has been planned, the first press of the **NAV** button will also display the following:

  - the number of miles/ kilometers remaining until you reach your final destination
  - the estimated time to your destination if the estimated travel time function is on
  - highlighted route or turn-by-turn instructions

  See the following for more information:

  - Navigation Features and Controls

- **BAND Button**

  Press **BAND** to select AM, FM1 or FM2.

- **▲SEEK▼ Switch**

  To seek to the next higher or lower station, press and release the top or bottom of this switch.

  Or, if listening to a CD, press the top or bottom of the button once to go to the next or previous track.

  See "Audio System" for more information.

- **CD Button**

  This hard key is used to display the CD player menu.

  See the following for more information:

  - Playing a Compact Disc

- **♪ Audio Button**

  Press this button to access the audio menu.

  See "Audio System" for more information.

- **CONFIG (configure) Button**

  Press this button to display the configure menu.

  See the following for more information:

  - Configure Menu

- **Tuning Knob**

  Rotate the knob to manually tune in radio stations.

  See "Audio System" for more information.

- **⏏ Open/Close Faceplate and CD Player Eject Button**

  This hard key is used to open the Navigation System's faceplate for loading or removing the map DVD. If the system's faceplate is closed, use this button to eject discs from the CD player.

  See the following for more information:

  - Installing the Map DVD

  - Playing a Compact Disc

- **⏏ Eject Map DVD Button**

  With the system's faceplate open, press this button to eject the map DVD from the map DVD loading slot.

- **Alpha-Numeric Keypad**

An alpha-numeric keypad will automatically be available to you whenever the system needs information from you.

Touch a character to select it.

Touch the **0 - 9** button at the bottom of the alpha keypad to access the numeric keypad.

To enter a space between characters or words, touch the space symbol ⎵ on the **A-Z** screen.

If you select an incorrect character, touch the backspace arrow ◄.

To make your name selections easier, the system will only allow you to select a character that can follow the last one you selected.

If you are unsuccessful when inputting a name or word, it may need to be selected differently.

It is also possible that the map database does not contain that information or that the correct search area was not selected.

See "Database Coverage Explanations" for more information.

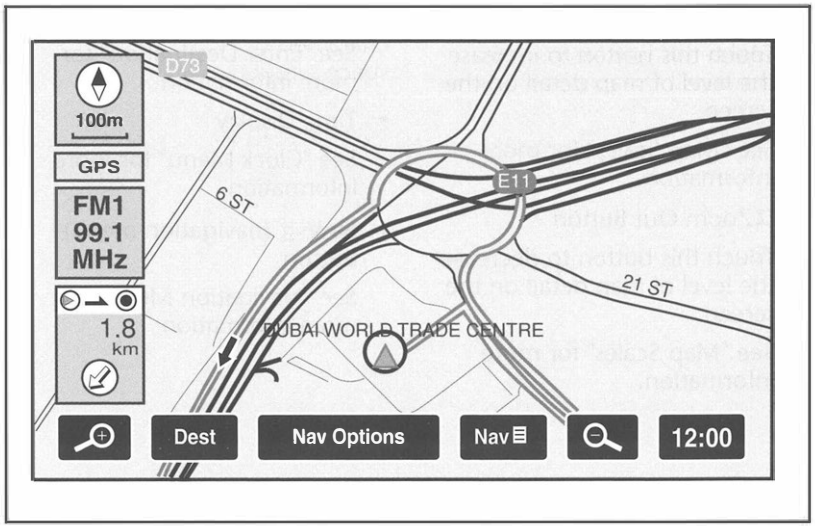
Touch-Sensitive Buttons

Touch-sensitive buttons are located on the screen.

These buttons will be highlighted when a feature is available (active) and dim when they are unavailable (not active).

When you touch a button on the screen, a beep may sound.

See "Configure Menu" for more information.



The following touch-sensitive buttons appear on many screens:

- **BACK**

  Touch this button to exit a menu or to go back to the previous screen.

- Zoom In Button

  Touch this button to increase the level of map detail on the screen.

  See "Map Scales" for more information.

- Zoom Out Button

  Touch this button to decrease the level of map detail on the screen.

  See "Map Scales" for more information.

- **DEST** (set destination) Button

  See "Enter Destination" for more information.

- Time Display

  See "Clock Menu" for more information.

- **NAV** (navigation menu) Button

  See "Navigation Menu" for more information.

- **NAV OPTIONS** (navigation options) Button

  See "Navigation Options Menu" for more information.

- AM/FM Band Indicator

  See "Audio System" for more information.

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■ CONFIGURE MENU

Press the **CONFIG** (configure) hard key.

The Configure menu will be displayed.

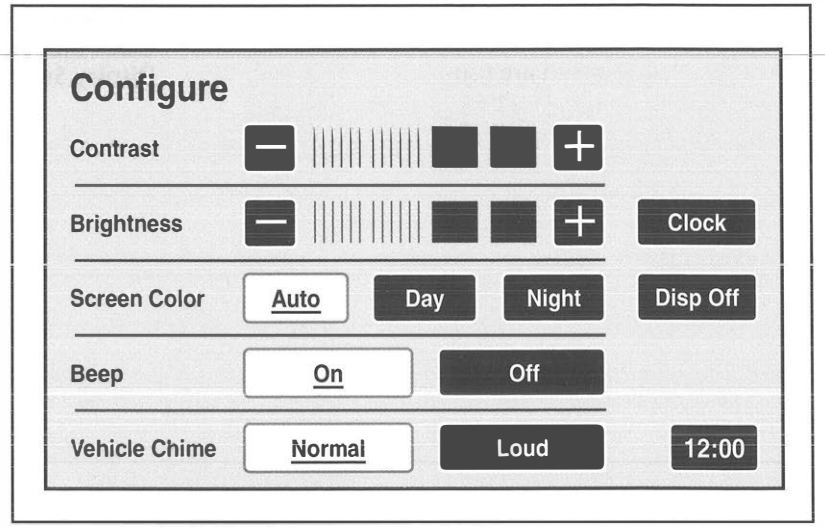
This menu allows you to adjust various system settings:

- **CONTRAST**

  Touch the plus (+) or minus (-) to adjust the contrast of the screen.

- **BRIGHTNESS**

  Touch the plus (+) or minus (-) to adjust the brightness of the screen.



- **SCREEN COLOR**

  You can change the background color of the navigation and audio screens.

  - **AUTO**: This setting automatically adjusts the colors on the screen based on exterior lighting conditions.

- **DAY**: This setting leaves the screen in day mode. The displays on the screen are usually brighter with a lighter background so that they can be seen better during the brighter daylight hours.
- **NIGHT**: This setting leaves the screen in night mode. The displays on the screen are usually dimmer with a darker background so that they can be seen better during the darker nighttime hours.

- **BEEP** (audible confirmation)

  When the **BEEP** (beep) feature is turned on, a beep will sound each time a touch-sensitive button on the screen is pressed.

  Touch the **ON** button to turn this feature on.

  Touch **OFF** to turn this feature off.

- **VEHICLE CHIME**

  This feature allows you to change the chime volume level. The chime cannot be turned off completely.

  Touch the **LOUD** button for the louder volume level or the **NORMAL** button for the normal volume level.

NOTICE

If your vehicle's navigation system is removed or additional equipment is added, your vehicle's chimes may be disabled.

Certain accessories may not be compatible with your vehicle.

See your dealer for more information.

Also, see "Accessories and Modifications" in your vehicle owner's manual.

- **CLOCK**)

  See "Clock Menu" later in this section for more information.

- **DISP OFF** (display off)

  See "Display Settings" later in this section for more information.

Clock Menu

To access this menu, do the following:

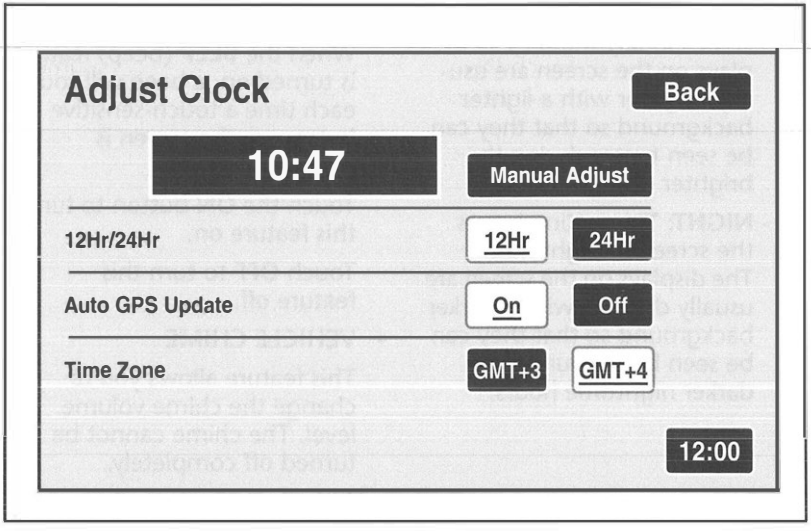
1. Press the **CONFIG** (configure) hard key.

   The Configure menu will be displayed.

2. Touch the **CLOCK** button.

Note:

Touching the time display button briefly will display the date.



On this screen, the following touch-sensitive buttons are available:

- **12H**: Touch **12H** to set the clock in a.m. and p.m. time.
- **24H**: Touch **24H** to set the clock in military time.

- **AUTO GPS UPDATE** (Automatic Global Positioning System Update): Touch **ON** (on) to set the navigation system's time to match the current Global Positioning System time.

  The display will be updated with the current Global Positioning System time when the ignition is cycled.

  Touch **OFF** to turn this feature off.

  Note: This setting may not be available on all vehicles.

- **TIME ZONE**: Touch one of the buttons located at the bottom of the screen to select a time zone.

  Available choices are as follows:

  - **GMT + 3** (Greenwich Mean Time + 03:00)
  - **GMT + 4** (Greenwich Mean Time + 04:00)

To update the clock manually, do the following:

1. Touch the **MANUAL ADJUST** button.
2. Touch the up or down arrow buttons to increase or decrease the hours or minutes.
3. Touch the **BACK** button to exit the menu.

Display Settings

This feature allows you to turn off the navigation system display.

To turn off the display, do the following:

1. Press the **CONFIG** (configure) hard key.

   The Configure menu will be displayed.
2. Touch the **DISP OFF** (display off) button to turn off the navigation system display.

Press any hard key to turn the screen back on.

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■ NAVIGATION FEATURES AND CONTROLS

This section describes navigation features.

The navigation system allows you to plan a route and provides turn-by-turn route and map guidance with voice prompts.

The navigation system also allows you to select a destination using various methods and choices (street addresses, intersections, destinations stored in memory, points of interest, etc.).

The navigation system is designed to assist you while driving, but it is possible that the information in the system may not always be complete.

Road conditions, such as no turns, detours and construction, change frequently.

It is important to consider whether or not you can safely and legally follow the directions given by the system.

Once the vehicle is moving, various functions will be disabled to limit driver distraction.

In order to use navigation mapping features, the mapping data DVD must be loaded in the map DVD loading slot.

See the following for more information:

- Installing the Map DVD

Following are the main hard keys used to access navigation features:

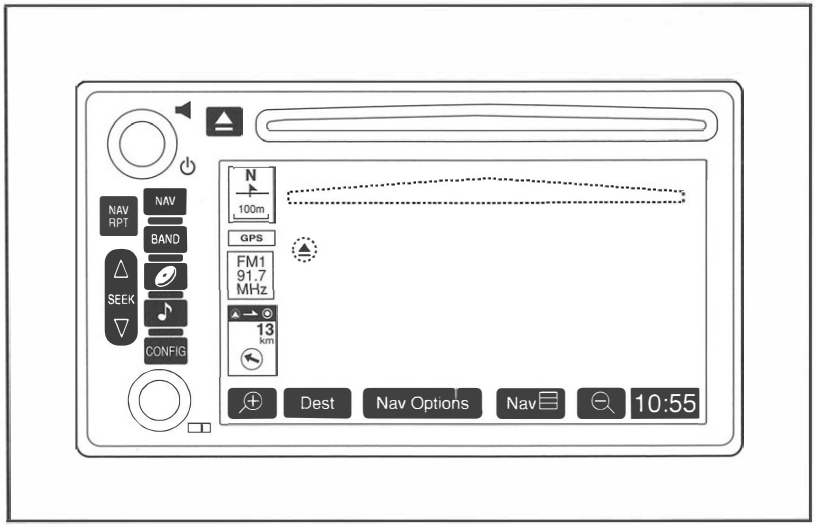
- **NAV** (navigation) Hard Key

  Press this button to go to the navigation map screen.

  On the map screen, the following touch-sensitive buttons are available:

  - **DEST** (destination) Button

    See "Enter Destination" for more information.



- **NAV OPTIONS** (navigation options) Button

  See "Navigation Options Menu" for more information.

- **NAV** (navigation menu) Button

  See "Navigation Menu" for more information.

If no route has been planned, the map screen that appears will show the following information:

- the north or heading up symbol
- the time
- the map scale

If a route has been planned, the first press of the **NAV** button will also display the following:

- the number of miles/ kilometers remaining until you reach your final destination
- the estimated time to your destination
- the highlighted route or turn-by-turn instructions

- **NAV RPT** (navigation repeat) Hard Key

  If the map screen is already displayed, you may press this button to have the system repeat the last voice prompt.

■ ENTER DESTINATION

To access this menu, do the following:

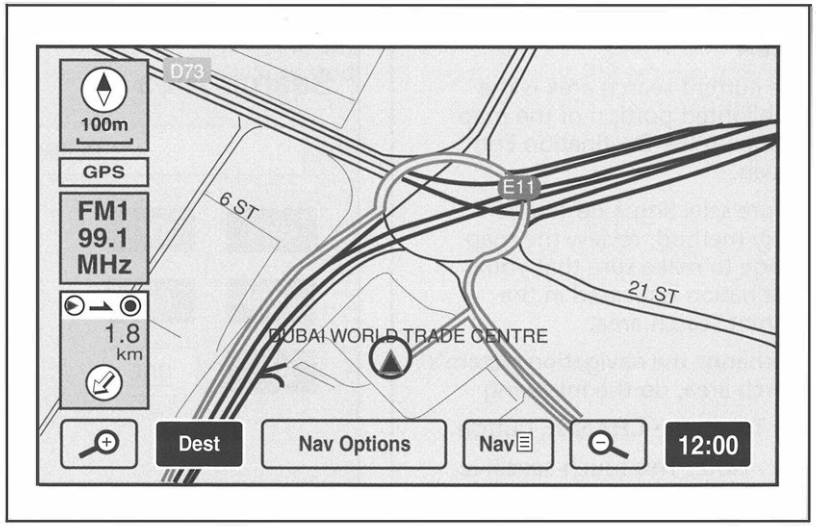
1. Press the **NAV** (navigation) hard key to go to the navigation map screen.
2. Touch the **DEST** (destination) button.

The first page of the **DESTINATION** menu will be displayed.

The Destination Entry screen allows you to plan a route using any of several destination entry methods.

See "Destination Entry Methods" later in this section.

The Destination Entry screen also allows you to view or change the navigation system's search area.



To change the navigation system's search area, see "Setting the Search Area".

From the Destination Entry screen, you can also delete a current destination by touching the **DELETE DEST** (delete destination) button.

SETTING THE SEARCH AREA

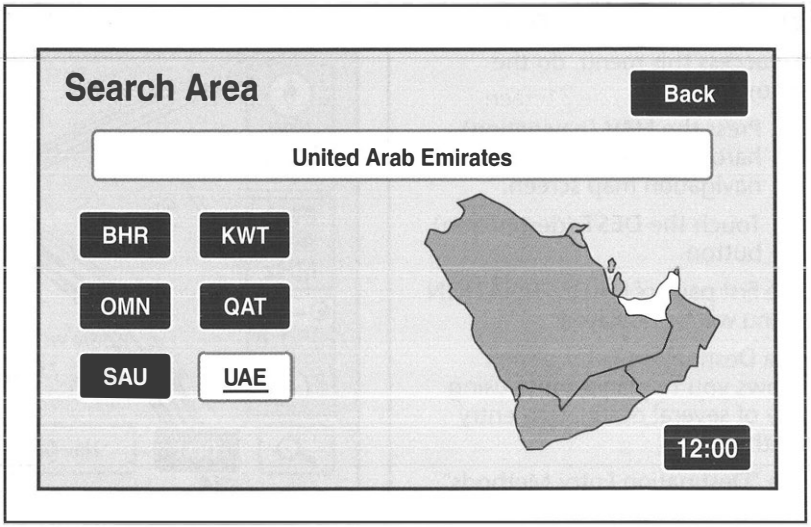
The current search area is the highlighted portion of the map image on the Destination Entry screen.

Before selecting a destination entry method, review the map image to make sure that your destination is located in the current search area.

To change the navigation system's search area, do the following:

1. Touch the **CHANGE** button.
   - Note: This touch-sensitive button is on the Destination Entry screen.

   The system will display the **SEARCH AREA** screen.



2. Select the desired region by touching the appropriate button.

   The selected region will be highlighted on the map image.

See the Navigation System Map Disc manual to view the explanation of map coverage and the detailed city lists in each region. This manual should be in your map DVD case.

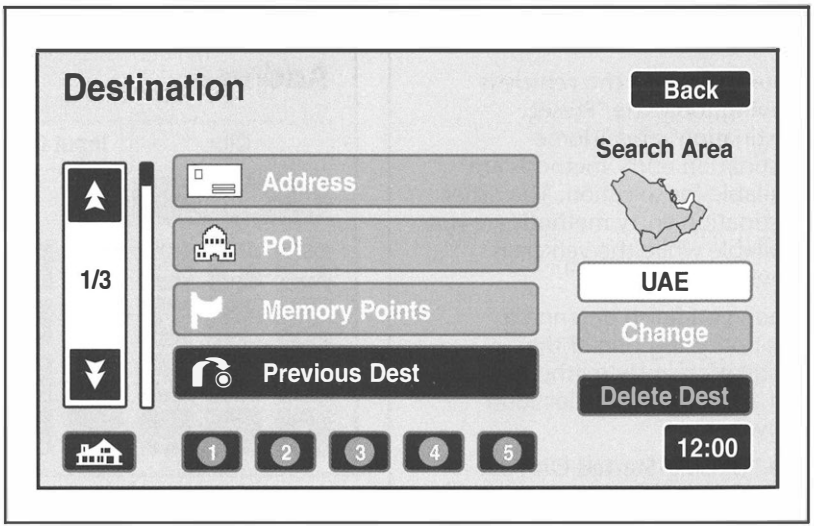
DESTINATION ENTRY METHODS

The Destination Entry screen allows you to plan a route using any of several destination entry methods.

Before selecting a destination entry method, review the map image to make sure that your destination is located in the current search area.

To change the navigation system's search area, see "Setting the Search Area".

There are multiple pages of destination entry methods.



Use the up and down scroll arrows on the screen to scroll through the pages.

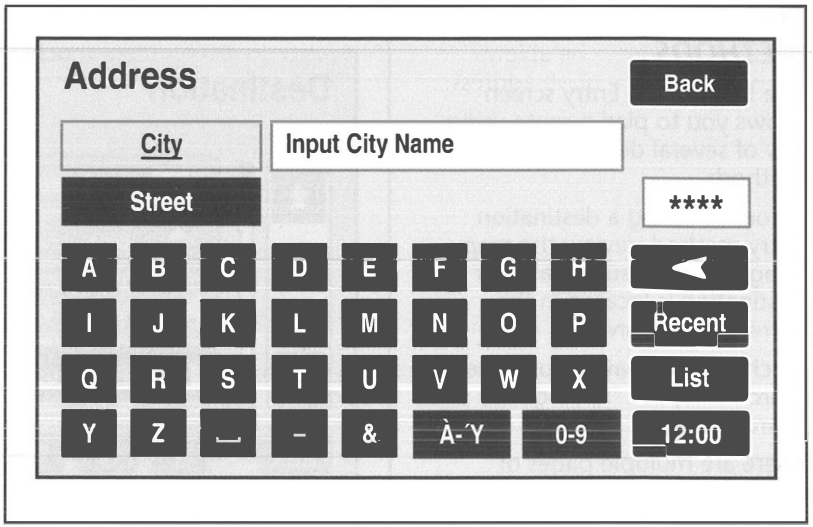
To select a destination entry method, touch the button on the screen.

These methods are explained in this section.

Note that while the vehicle is moving, only the "Preset Destination" and "Home" destination entry methods are available for selection. The other destination entry methods are not available while the vehicle is moving.

When you finish entering a location using one of the destination entry methods, a map will appear with the location shown.

See "Getting Started On Your Route" for more information.



Destination Entry Method: Address

This destination entry method allows you to enter a destination using an address.

You must provide the navigation system with the destination's street number, street name and city.

Note:

For the system to be able to properly search for an address, standard street and city names should be used.

To use this destination entry method, do the following:

- Touch the **ADDRESS** button.
  - Note: This touch-sensitive button is on the Destination Entry screen.

  The system will go to the Address screen.

Entering a City Name

To access the City screen, touch the **CITY** button.

Use one of the following methods to select a city:

- Method One

  If you know the city where the address is located, type the city name manually using the alpha-numeric keypad.
  - Touch the **INPUT CITY NAME** button.
  - Type the city name manually using the alpha-numeric keypad.

    See "Alpha-Numeric Keypad" for information.

As information is entered, the system will automatically search for available names. While inputting a name, the **LIST** button will become available once there are names to choose from.

The number of items available in the list is displayed to the right of the input field.

Touch the **LIST** button to view the list or continue to input information to further reduce the list of available items.

Select the desired city name from the list the system provides.

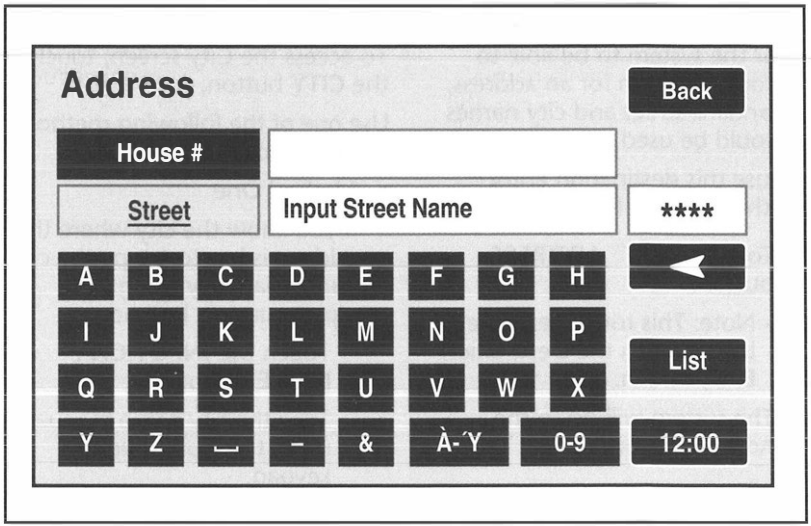
- Method Two

  The City screen allows you to view a list of the last five cities entered and the five cities nearest to your vehicle's current location.

  Touch the **RECENT** button to view a list of the last five cities entered and the five cities nearest to your vehicle's current location.

  Select the desired city name from the list the system provides.

Once a city has been chosen, the system will go to the street name input screen.



Entering a Street Name

To enter a street name, do the following:

1. Touch the **STREET** button, if necessary, to access the street input screen.
2. Enter a name of a street by touching the alphabet keypad.

   See "Alpha-Numeric Keypad" for information.

   Do not enter name extensions such as "North" or "Drive".

As information is entered, the system will automatically search for available names. While inputting a name, the **LIST** button will become available once there are names to choose from.

The number of items available in the list is displayed to the right of the input field.

If the system is unsuccessful in finding any matches, the street name may need to be input differently or the map DVD may not contain the information.

3. Touch the **LIST** button to view the list or continue to input information to further reduce the list of available items.
4. Select the street name from the list.
5. Enter the address number using the numeric keypad and then touch the **OK** button.

   The system will list the address number range that is available for the street.

   If there is more than one street with the street number entered, the system will provide a list of the available streets that match the input address. Select the desired street from the list.
6. If you did not previously select the city name, the system may prompt you to select the city name from a provided list of names. Select the desired city name.

   A map will appear with the destination shown.
7. Touch the **SET DESTINATION** button.
8. Touch the **ROUTE** button located on the map screen.
9. Next, touch the **START** button.

   Once you begin driving, you will hear a voice prompt directing you to proceed to the highlighted route.

See "Getting Started on Your Route" for more information.

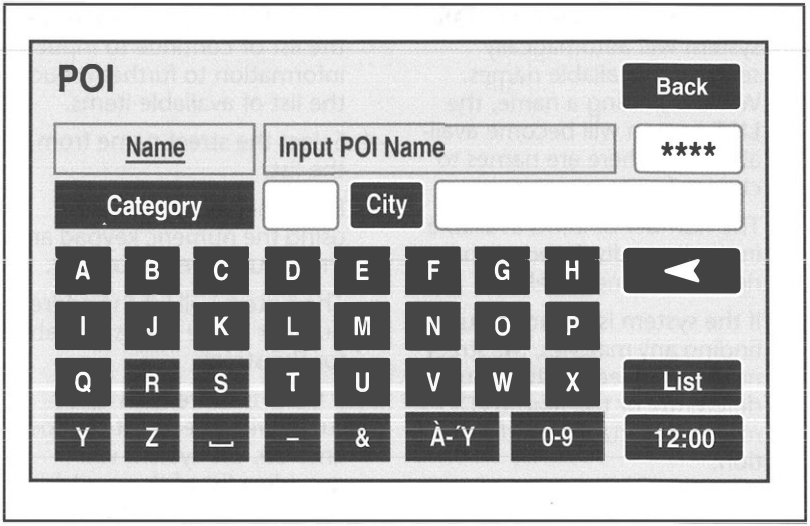
Destination Entry Method: Point of Interest

This option allows you to choose a destination from the Point of Interest list.

To use this destination entry method, do the following:

1. Touch the **POI** (point of interest) button.
   - Note: This touch-sensitive button is on the Destination Entry screen.

   The system will display the Point of Interest screen.



2. Select the desired point of interest.

   There are three ways to select a point of interest location from this screen.

   See "Selecting a Point of Interest by Name, Category or City".

   A map will appear with the destination shown.

3. Touch the **SET DESTINATION** button.
4. Touch the **ROUTE** button located on the map screen.
5. Next, touch the **START** button.

   Once you begin driving, you will hear a voice prompt directing you to proceed to the highlighted route.

See "Getting Started On Your Route" for more information.

Selecting a Point of Interest by Name, Category or City

You may search for a point of interest using the following methods:

- If it is not already selected, touch the **NAME** button.

  Type in a point of interest by name using the alphabet keypad.

  See "Alpha-Numeric Keypad" for information.

  As information is entered, the system will automatically search for available names. While inputting a name, the **LIST** (list) button will become available once there are names to choose from.

  Touch the **LIST** button to view the list or continue to input information to further reduce the list of available items.

  Select the desired point of interest name from the list.

- If you would like to limit the point of interest search to a specific type or category, touch the **CATEGORY** button.

  Select a category and then any appropriate subcategory.

  The **RESTAURANT** point of interest category has numerous distinct subcategories of cuisine type.

  Select the desired point of interest location from the list.

  The system will display a list of available point of interest names.

If the list of available points of interest for the category selected is too long, then you may need to enter the point of interest name or the city in which the point of interest is located.

The alpha-numeric keypad will appear.

Type in a point of interest by name or city using the alphabet keypad.

See "Alpha-Numeric Keypad" for information.

- Touch the **CITY** button to enter a city for the desired Point of Interest.

  Once you touch the **CITY** button, you will have the following choices:

  - Touch **INPUT CITY NAME** to enter a point of interest or city name using the alphabet key pad.

    See "Alpha-Numeric Keypad" for information.

  - Touch **ALL CITIES** to return to the first page of the Point of Interest destination entry screen.

  - Touch **NEAR 5 CITIES** to select a city from a list of the five cities nearest your vehicle's current location.

Note:

When a location name is too long to be displayed, an arrow symbol will appear.

Touch the right or left arrow button to scroll through the name.

You can customize which points of interest icons appear on the map screen.

See the following for more information:

- Navigation Options Menu
  - Point of Interest Customization

Destination Entry Method: Memory Point

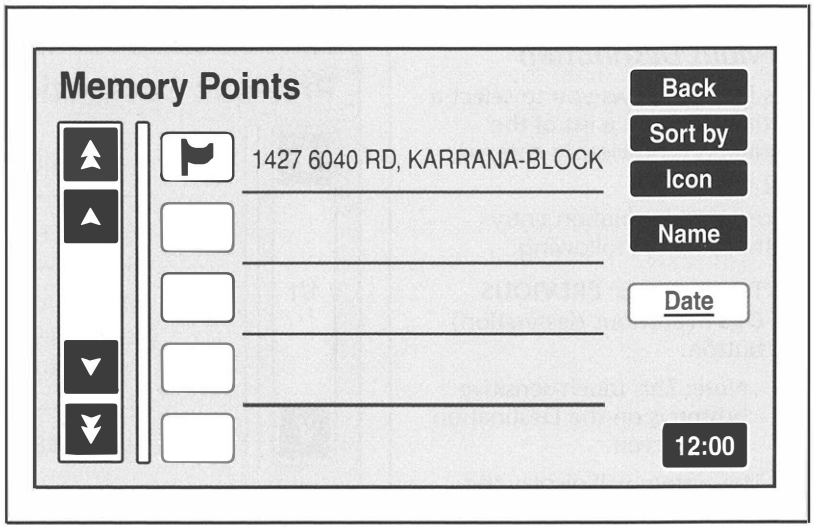
This menu allows you to select a destination by choosing a memory point (a destination stored in memory).

To use this destination entry method, do the following:

1. Touch the **MEMORY POINTS** button.
   - Note: This touch-sensitive button is on the Destination Entry screen.
2. Use the up and down scroll arrows on the screen to scroll through the stored locations.
3. Select the desired destination from the memory points list.

   A map will appear with the destination shown.

   See "Getting Started on Your Route" for more information.



The memory points can be sorted by date, name or icon.

Touch **DATE**, **ICON**, or **NAME** and the system will sort the memory points accordingly.

To store, edit or delete the home destination, see "Memory Points" later in this section.

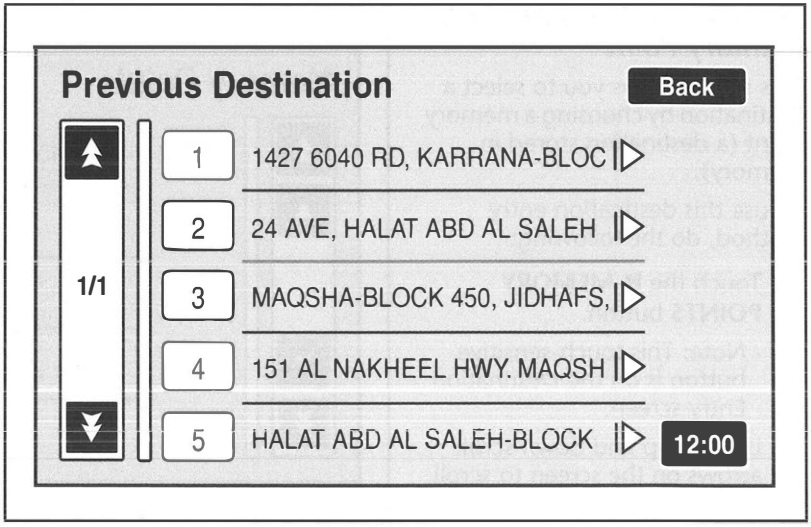
Destination Entry Method: Previous Destination

This feature allows you to select a destination from a list of the destinations previously entered into the system.

To use this destination entry method, do the following:

1. Touch the **PREVIOUS DEST** (previous destination) button.
   - Note: This touch-sensitive button is on the Destination Entry screen.

   The system will display the Previous Destination screen.



2. Use the up and down arrows to view the list of previous destinations.
3. Touch one of the numbered buttons to select a destination.

See "Getting Started on Your Route" for more information.

Destination Entry Method: Emergency

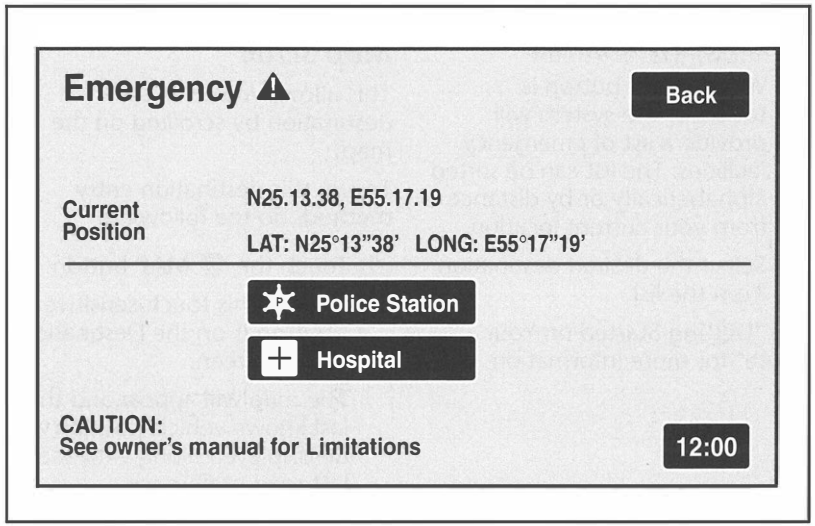
This feature allows you to select a destination from a list of emergency facilities.

Note:

The available list will vary by area.

To use this destination entry method, do the following:

1. Touch the ⚠ **EMERGENCY** button.
   - Note: This touch-sensitive button is on the Destination Entry screen.



The system will display the Emergency screen.

The system will also display the address and map coordinates of the vehicle's current position.

2. Touch the **POLICE STATION** or **HOSPITAL** button.

   When either button is touched, the system will provide a list of emergency facilities. The list can be sorted alphabetically or by distance from your current location.

3. Select the desired destination from the list.

See "Getting Started on Your Route" for more information.

Destination Entry Method: Map Scroll

This allows you to select a destination by scrolling on the map.

To use this destination entry method, do the following:

1. Touch the **MAP** button.
   - Note: This touch-sensitive button is on the Destination Entry screen.

   The map will appear and the last known vehicle position will be displayed along with the last road preference.

2. Scroll across the map and touch the location you would like to set as your destination.

3. When you are finished, touch **OK**.

See "Getting Started on Your Route" for more information.

Destination Entry Method: Previous Start Point

This feature allows you to select the last starting point entered as a destination.

Touch the **PREVIOUS START POINT** button.

- Note: This touch-sensitive button is on the Destination Entry screen.

The system will plan a route to the starting point of your last-entered route.

See "Getting Started on Your Route" for more information.

Destination Entry Method: Phone Number

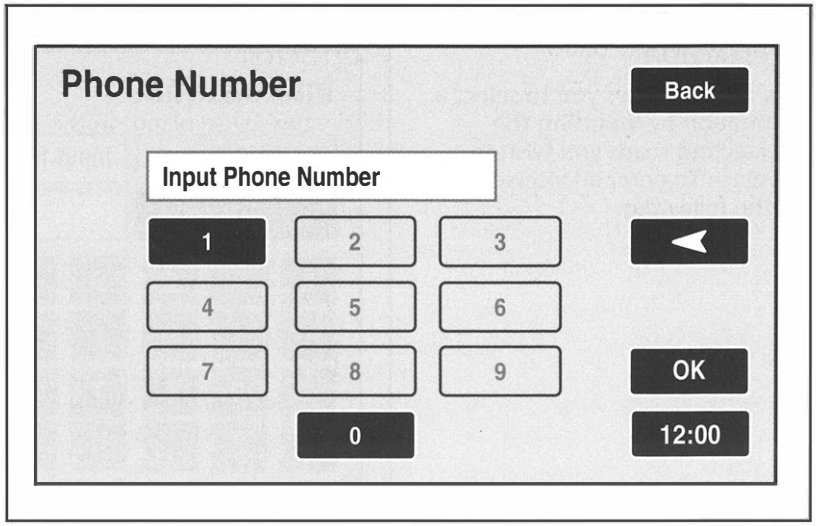
This option allows you to select a destination by inputting the phone number of a point of interest on the map DVD.

Cellular and internal company phone numbers are not available.

To use this destination entry method, do the following:

1. Touch the **PHONE NUMBER** button.
   - Note: This touch-sensitive button is on the Destination Entry screen.
2. Use the keypad to enter the phone number.

   See "Alpha-Numeric Keypad" for information.



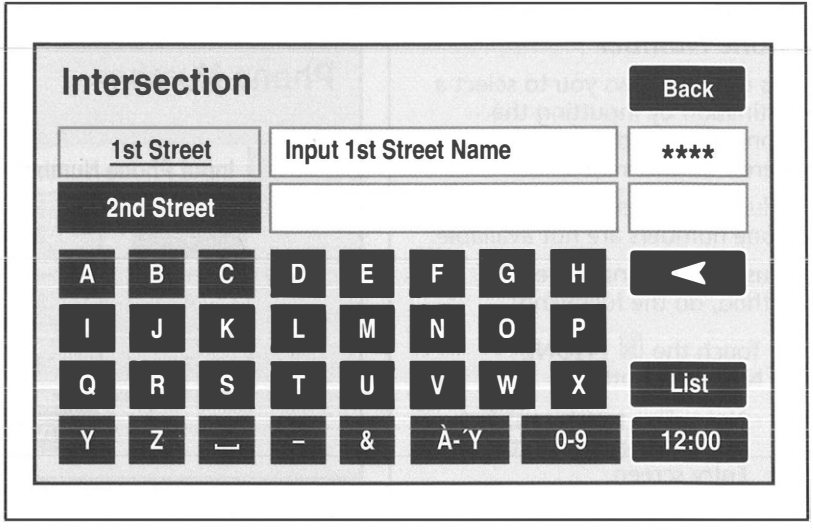
3. When you are finished, touch **OK**.

   A map will appear with the destination shown.

See "Getting Started on Your Route" for more information.

Destination Entry Method: Intersection

This option allows you to select a destination by inputting the intersecting roads you wish to travel to. To enter an intersection, do the following:



1. Touch the **INTERSECTION** button.
   - Note: This touch-sensitive button is on the Destination Entry screen.

The system will display the Intersection screen.

2. Enter the name of the first street in the intersection using the alphabet keypad.

   See "Alpha-Numeric Keypad" for information.

   Do not enter name extensions such as "North" or "Drive".

   As information is entered, the system will automatically search for available names.

   Select the street name from the list.

3. Enter the second street name using the alphabet keypad.

   Select the street name from the list.

   If there are multiple intersections of the same two roads, the system will give a list of cities to choose from. Choose a city from this list. A map with the intersections for that city will appear.

See "Getting Started on Your Route" for more information.

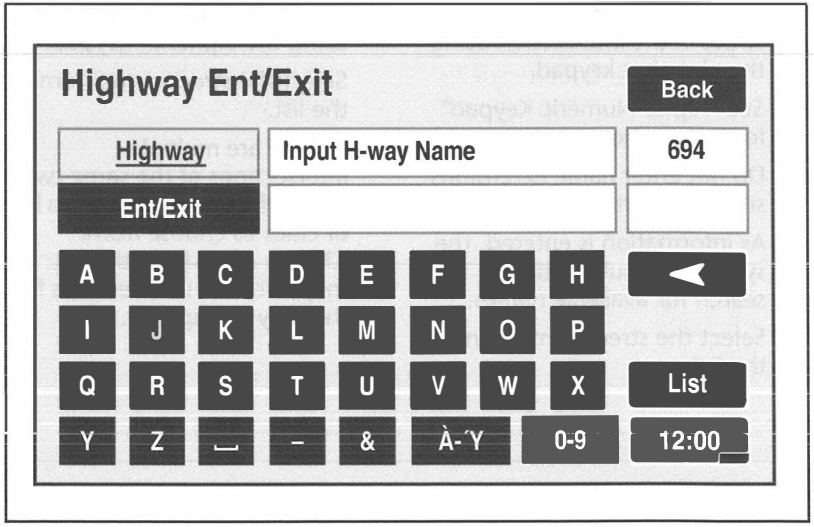
Destination Entry Method: Motorway Entrance/Exit

You can select a motorway entrance or exit as a destination.

To use this destination entry method, do the following:

1. Touch the **HIGHWAY ENTRANCE/EXIT** button.
   - Note: This touch-sensitive button is on the Destination Entry screen.

   The system will display the **HIGHWAY ENTRANCE/EXIT** screen.



2. If it is not already selected, touch the **HIGHWAY** (motorway) button.

3. Enter the motorway name using the alphabet keypad.

   See "Alpha-Numeric Keypad" for information.

4. Touch the **LIST** button to view the list of available name choices or continue to spell the name to further reduce the list of available items.
5. Select a motorway from the list.
6. Once a motorway has been entered, the system will display **PLEASE SELECT ENTRANCE OR EXIT**.

   Touch **ENTRANCE** or **EXIT** to enter the name of the entrance or exit that you want to set as your destination.

   The system will generate a list of every motorway entrance or exit ramp on the motorway you entered.

   The list can be sorted by name or by distance from your current location.
7. Select the desired motorway entrance or exit. A map will appear with the destination shown.

See "Getting Started On Your Route" for more information.

Destination Entry Method: Home Destination

This feature allows you to plan a route to one previously stored destination that you have selected as a "home" destination.

To use this destination entry method, do the following:

- Touch the (home) button.
  - Note: This touch-sensitive button is on the Destination Entry screen.

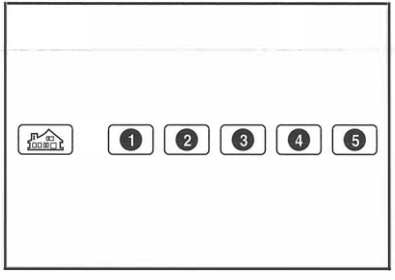
  A map will appear with the destination shown.

See "Getting Started On Your Route" for more information.

Note that while the vehicle is moving, only the "Preset Destination" and "Home" destination entry methods are available for selection. The other destination entry methods are not available while the vehicle is moving.

If a home destination is not stored, this destination entry method will not be available.

To store, edit or delete the home destination, see "Home" under "Memory Points" later in this section.



Destination Entry Method: Preset Destination

This option allows you to select a destination from one of five previously stored destinations.

Each preset destination is stored to one of the numbered, touch-sensitive buttons at the bottom of the Destination Entry screen.

To select a preset destination, touch the corresponding preset button.

A map will appear with the destination shown.

See "Getting Started On Your Route" for more information.

Note that while the vehicle is moving, only the "Preset Destination" and "Home" destination entry methods are available for selection. The other destination entry methods are not available while the vehicle is moving.

If no preset destinations are stored, this destination entry method will not be available.

To store, edit or delete a preset destination, see "Preset Destinations" under "Memory Points" later in this section.

■ GETTING STARTED ON YOUR ROUTE

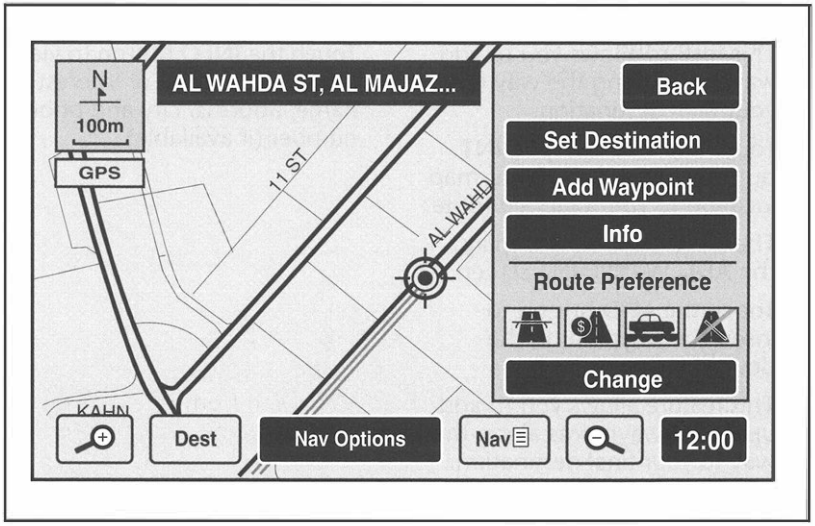
DESTINATION PREVIEW

When you finish entering a location using one of the destination entry methods, a map will appear with the location shown.

On this screen, the following touch-sensitive buttons are available:

- **SET DESTINATION**

  Touch this button to set the current map location as your final destination.



The **ROUTE OVERVIEW** screen will appear.

See "Route Overview" later in this section for more information.

- **ADD WAYPOINT**

  This feature allows you to add waypoints along the way to your final destination.

  Touch the **ADD WAYPOINT** button to add the current map location to your planned route.

  The system will now display the **ADD WAYPOINT** screen.

  Touch the **ADD** button to insert the waypoint in the desired order.

  This feature allows you to add up to five waypoints along the way to your final destination.

- **INFO**

  Touch the **INFO** button to view the selected Point of Interest name, address, city and phone number (if available).

- **CHANGE**

  Touch this button if you would like to change the allowed travel methods.

  See "Edit Route" under "Navigation Menu" for more information.

ROUTE OVERVIEW

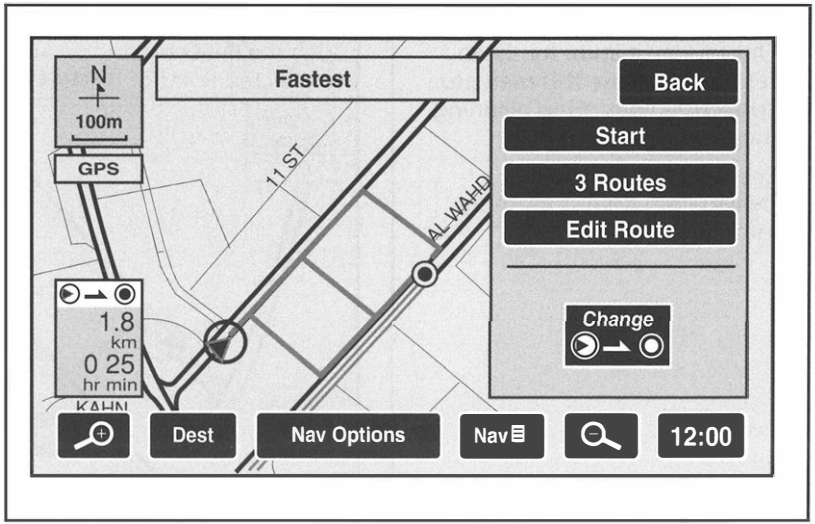
Once your route preferences are adjusted as desired and a final destination has been set, the system will begin route calculation.

Touch the **ROUTE** button located on the map screen to access the **ROUTE OVERVIEW** screen.

On this map screen, the following route planning settings are available:

- **START**

  Touch this button to select the current highlighted route and begin route guidance.



- **3 ROUTES**

  If you touch this button, the system will display up to three possible routes to your destination:

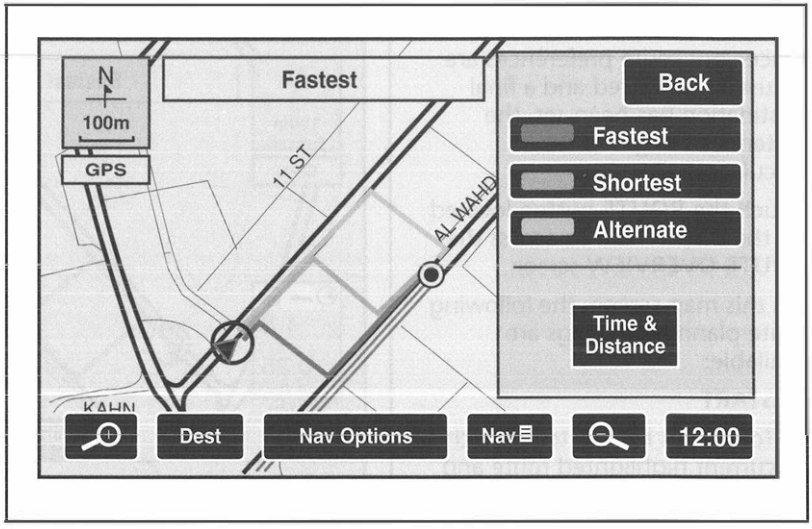
  - Fastest
  - Shortest
  - Alternative

  See "Three Routes" for more information.

- **EDIT ROUTE**

  Once a destination has been set, you may use this menu to customize your route planning methods.

  See "Edit Route" under "Navigation Menu" for more information.



Three Routes

If you select the **3 ROUTES** button on the map screen, the system will display up to three possible routes to your destination:

- Fastest
- Shortest
- Alternative

Note:

You can also access the **3 ROUTES** screen from the Navigation Menu.

See "Edit Route" under "Navigation Menu" for more information.

The map will display each route in a different color.

Touch the **TIME & DISTANCE** button to display the total distance and the estimated travel time for each route.

Touch **FASTEST**, **SHORTEST** or **ALTERNATIVE** to select the desired route.

A map will appear with the destination shown.

ROUTE PREVIEW

Once your route preferences are adjusted as desired and a final destination has been set, the system will begin route calculation.

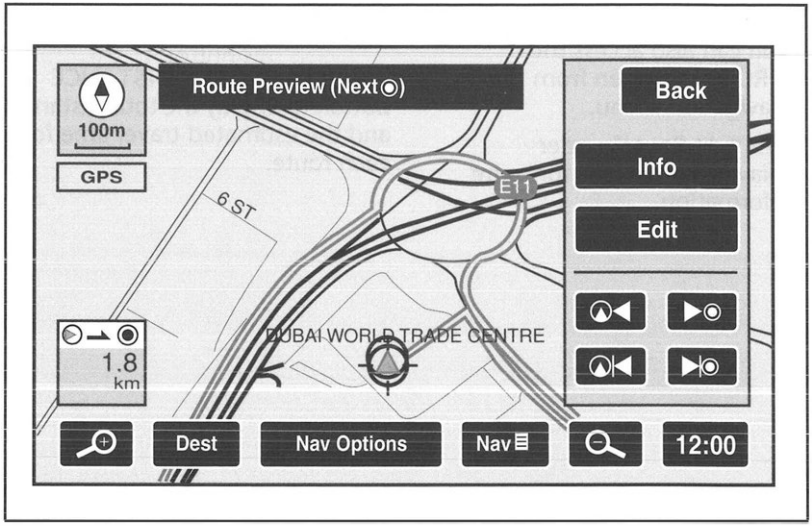
To begin route guidance, do one of the following:

- Touch the **ROUTE** button.

  The **ROUTE OVERVIEW** screen will appear.

  Next, touch the **START** button.

or



- Begin driving the vehicle.

  Touch the **NAV** (navigation menu) button.

  Touch the **ROUTE PREVIEW** button.

The route preview pop-up menu will appear at the right side of the screen.

On this menu, the following touch-sensitive buttons are available:

- **INFO**

  Touch the **INFO** button to view the selected Point of Interest name, address, city and phone number (if available).

- **EDIT**

  Touch this button to change the system's preview setting from the final destination to a point of interest location.

  See "Edit Route Preview" later in this section for more information.

-

  Touch this button to view the route traveling toward the vehicle's current location.

  Touch this button again to increase or decrease the speed at which the indicator will trace the route.

-

  Touch this button to preview the route traveling toward the final destination.

  Touch this button again to increase or decrease the speed at which the indicator will trace the route.

-

  Touch this button to view the vehicle's current location on the current route.

  If you have set any waypoints for your route, touch this button to view the vehicle's previous waypoint.

-

  Touch this button to view the final destination of the current route.

  If you have set any waypoints for your route, touch this button to view the next waypoint.

  You can program this button to view the next point of interest location on the current route instead of the final destination.

  See "Edit Route Preview" later in this section for more information.

Edit Route Preview

Touch **EDIT** on the route preview pop-up menu to access the **EDIT ROUTE PREVIEW** screen.

This screen allows you to change the system's preview setting from the final destination to a point of interest location.

To change the setting, do the following:

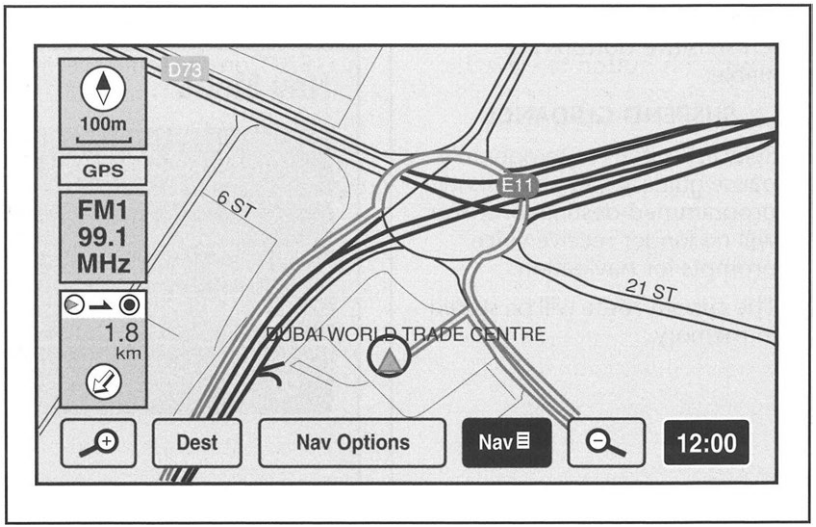
1. Touch the **SELECT POI** (select point of interest) button.
2. Select the desired point of interest category.
3. Select the icon of the desired point of interest.
4. Touch the **BACK** button twice to go back to the **EDIT ROUTE PREVIEW** screen. Touch the **NEXT POI** (next point of interest) button.
5. Touch the **BACK** button to return to the **ROUTE PREVIEW** screen.

   Whenever the arrow buttons are used to preview the route, the route will be traced to the next point of interest location instead of the final destination.

To return the system to the original setting, do the following:

1. Touch **EDIT** on the Route Preview screen to access the **EDIT ROUTE PREVIEW** screen.
2. Touch the **NEXT** button.
3. Touch the **BACK** button to return to the **ROUTE PREVIEW** screen.

   Whenever the arrow buttons are used to preview the route, the route will be traced to the final destination instead of the next point of interest location.



■ NAVIGATION MENU

The **NAV MENU** (navigation menu) screen allows you to access all of the navigation system's route guidance features.

To access this menu, do the following:

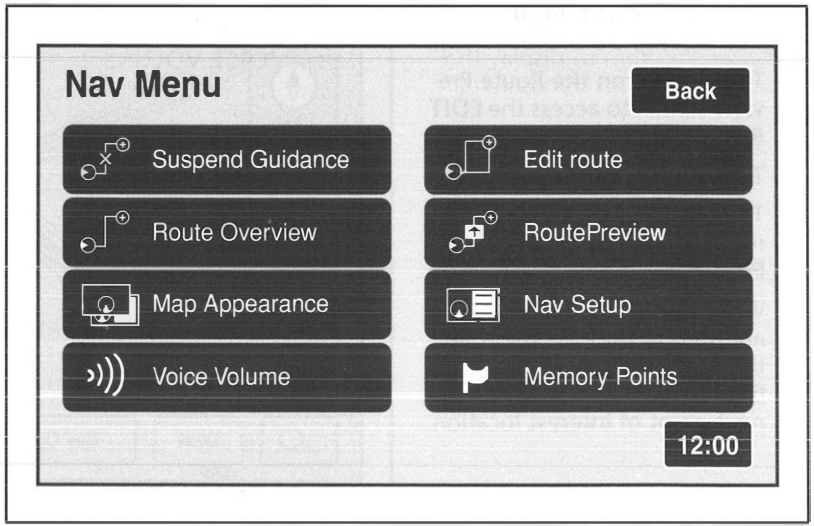
- Touch the **NAV** (navigation menu) button located at the bottom of the map screen to go to the navigation menu.

On this screen, the following touch-sensitive buttons are available:

- **SUSPEND GUIDANCE**

  Select this item to temporarily pause guidance to all currently programmed destinations. You will no longer receive voice prompts for navigation.

  The current route will be stored in memory.



While guidance is paused, the **RESUME GUIDANCE** button will appear on the screen.

Touch **RESUME GUIDANCE** to turn guidance back on and resume the current route.

- **ROUTE OVERVIEW**

  Select this item to display the street map with the route of travel highlighted.

  The system may also display the following on the screen:

  - the estimated time to your destination
  - the total distance for the current route

  See "Getting Started On Your Route" for more information.

- **MAP APPEARANCE**

  This menu allows you to set the map appearance screen options.

  See "Map Appearance" later in this section for information.

- **VOICE VOLUME**

  Select **VOICE VOLUME** to adjust the navigation voice prompt volume level for the system.

  See "Voice Guidance Volume Settings" later in this section for more information.

- **EDIT ROUTE**

  Select this item to recalculate a route based on your preferences.

  See "Edit Route" later in this section for more information.

- **ROUTE PREVIEW**

  This feature allows you to preview, scroll through and edit the entire planned route.

  See "Getting Started On Your Route" for more information.

- **NAV SETUP** (navigation setup)

  Select this item to modify various navigation setup options.

  See "Navigation Setup" for more information.

- **MEMORY POINTS**

  Select this item to access the **MEMORY POINTS** menu.

  See "Memory Points" later in this section for more information.

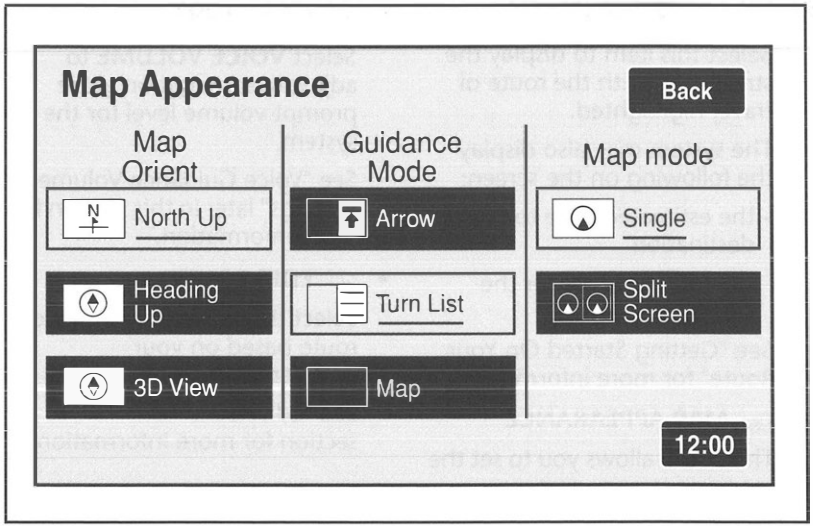
MAP APPEARANCE

This menu allows you to set up one of the following options for the map appearance screen.

- **MAP ORIENT**)
- **GUIDANCE MODE** (guidance mode)
- **MAP MODE**

To access this menu, do the following:

1. Touch the **NAV** (navigation menu) button located at the bottom of the map screen.
2. Touch **MAP APPEARANCE**.



MAP ORIENT (map orientation)

- **NORTH UP**

  Touch this button to put the system in North Up mode.

While in North up mode, North will always be at the top of the map screen regardless of which direction the vehicle is traveling.

See "Symbols" for more information.

- **HEADING UP**

  Touch this button to put the system in Heading Up mode.

  The vehicle icon will always travel up on the map screen regardless of compass direction.

  See "Symbols" for more information.

- **3D VIEW**

  Touch this button to have the map screen display as a three-dimensional view. The map will remain in the Heading Up mode.

GUIDANCE MODE

- **ARROW**

  Touch this button to have the guidance screen display the next turn.

- **TURN LIST**

  Touch this button to have the guidance screen display several upcoming turns. Directional arrows, street name and distance to the next turn will also be displayed.

- **MAP**

  Touch this button to display the vehicle's current position with the calculated route highlighted on the display.

MAP MODE

- **SINGLE**

  Touch this button to display one map screen.

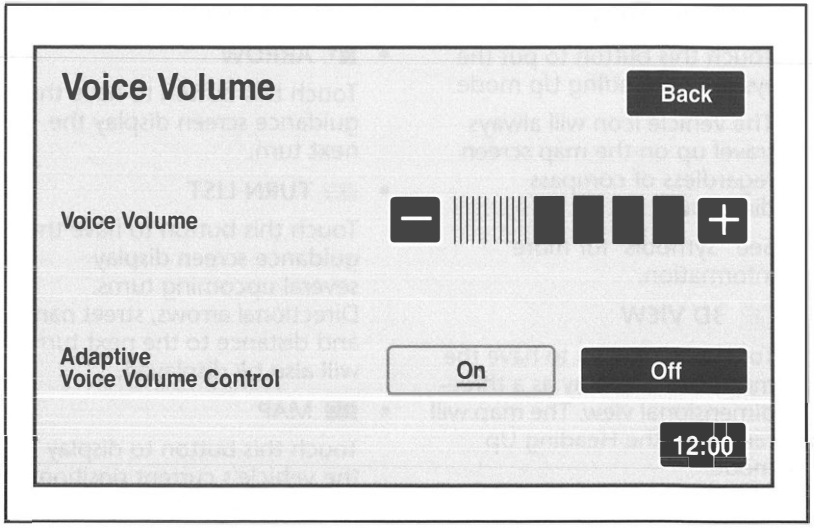
- **SPLIT SCREEN**

  Touch this button to display two maps at one time. Each map can be adjusted individually for scale and orientation.

  See "Right Screen" under "Navigation Options Menu" for more information.

VOICE GUIDANCE VOLUME SETTINGS

This screen allows you to adjust the volume level of all the voice prompts you receive from the system.



To access this menu, do the following:

1. Touch the **NAV** (navigation menu) button located at the bottom of the map screen.
2. Touch the **VOICE VOLUME** button.

The following menu items will appear on the screen:

- **VOICE VOLUME**

  Touch "+" to increase the volume or "–" to decrease it.

  Each time a volume adjustment is made, the system will provide an example of the new volume level.

  If voice guidance is not needed, lower the volume as far as it will go so the voice prompts cannot be heard.

- **ADAPTIVE VOICE VOLUME CONTROL**

  When this feature is on, the voice prompt volume will automatically increase once the vehicle speed exceeds 80 km/h (50 mph).

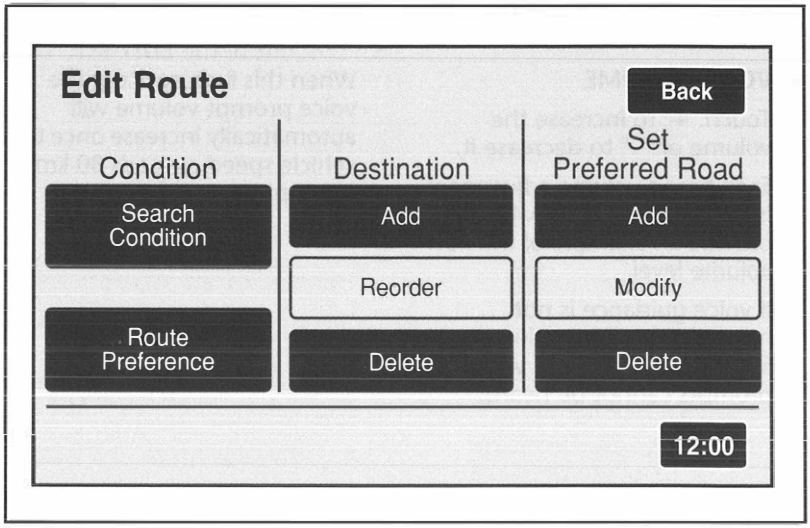
  Touch the **ON** button to turn this feature on.

  Touch **OFF** to turn this feature off.

EDIT ROUTE

Once a destination has been set, you may use this menu to customize your route planning methods.

To access this menu, either touch the **EDIT ROUTE** button when it appears on the map screen or do the following:



1. Touch the **NAV** (navigation menu) button located at the bottom of the map screen.
2. Touch the **EDIT ROUTE** button.

   The **EDIT ROUTE** screen will be displayed.

The menu is divided into the following parts:

- **CONDITION**
- **DESTINATION**
- **SET PREFERRED ROAD**

See the following pages for information on these features.

Once you have set your preferences and are ready to begin your route, you can touch the **ROUTE OVERVIEW** button to see the map screen with the current route highlighted.

See "Getting Started On Your Route" for more information.

CONDITION

On this part of the **EDIT ROUTE** screen, the following touch-sensitive buttons are available:

- **SEARCH CONDITION**

  Touch this button to change the route planning method for the current route.

  This feature allows you to change and vary the route planning methods used between each waypoint and between the final waypoint and the final destination.

  See "Three Routes" under "Route Overview" for more information.

- **ROUTE PREFERENCE**

  Touch this button to select which types of roads you wish to use or avoid on the current route.

  The following settings are available:

  - **HIGHWAY**

    With this option, the system will calculate the best route using only major roads.

  - **TOLL ROAD**

    With this option, the system will include toll roads when calculating a route.

- **FERRY**

  With this option, the system will include ferries when calculating a route.

- **RESTRICTED ROAD**

  With this option, the system will include restricted roads when calculating a route.

DESTINATION

On this part of the **EDIT ROUTE** screen, the following touch-sensitive buttons are available:

- **ADD**

  Touch this button to add a destination to the current route.

  See "Enter Destination" for more information.

- **REORDER**

  Touch this button to change the order of the waypoints and final destination.

- **DELETE**

  Touch this button to delete the current destination on the planned route.

Changing the Order of Waypoints

To change the order of waypoints along the way to your final destination, do the following:

1. Touch the **NAV** (navigation menu) button located at the bottom of the map screen.
2. Touch the **EDIT ROUTE** button.

   The Edit Route screen will be displayed.
3. Touch the **REORDER** button under **DESTINATION** on the screen.

   This screen displays an ordered list of the stored waypoints and the destination for your current route.

4. Touch the waypoints in the order in which you would like them to fall along the route.

   The first waypoint you select will be marked as waypoint 1, and so on.

5. Touch the **OK** button.
6. Touch the **BACK** button to return to the previous screen.
7. Touch the **ROUTE OVERVIEW** button to view the map screen.
8. Touch the **ROUTE** button located on the map screen.
9. Next, touch the **START** button.

   Once you begin driving, you will hear a voice prompt directing you to proceed to the highlighted route.

See "Getting Started on Your Route" for more information.

SET PREFERRED ROAD

On this part of the **EDIT ROUTE** screen, the following touch-sensitive buttons are available:

- **ADD**

  Touch this button to add a road type to your route preferences.

  See "Adding and Modifying Preferred Roads" later in this section.

- **MODIFY**

  Touch this button to modify the current road preference settings.

  See "Adding and Modifying Preferred Roads" later in this section.

- **DELETE**

  Touch this button to delete road preference settings on the current route.

  If more than one preferred road setting has been selected, the **DELETE PREFERRED ROAD** creen will appear.

  - To delete a single road preference setting, touch the button next to the desired road preference setting.
  - Touch the **DEL. ALL** (delete all) button to delete all road preference settings on the current route.

Adding and Modifying Preferred Roads

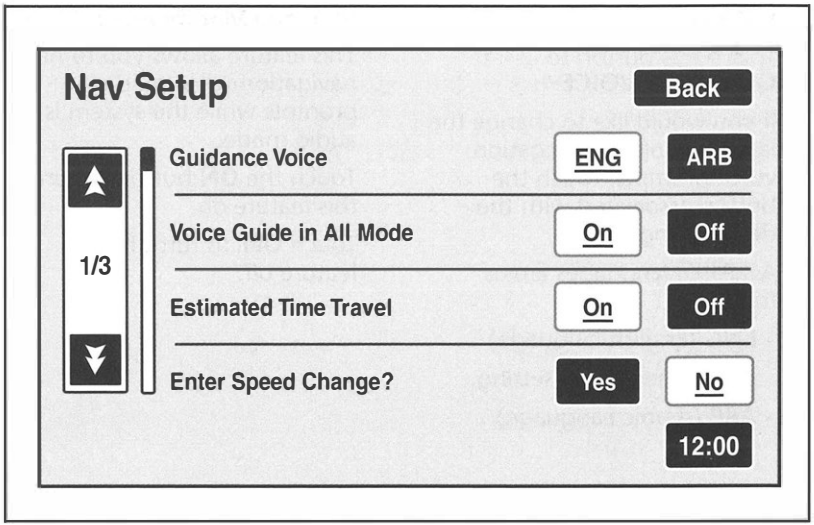
To add or modify road preference settings, do the following:

1. Touch the **NAV** (navigation menu) button located at the bottom of the map screen.
2. Touch the **EDIT ROUTE** button.

   The Edit Route screen will be displayed.
3. Touch the **ADD** or **MODIFY** button under **SET PREFERRED ROAD** on the screen.
4. Touch the map and scroll to the road you wish to add or modify.
5. Touch the **OK** button.
6. Touch **ENTER** to add the road to the current destination, or touch **NEXT** to change the road type.

NAVIGATION SETUP

This feature allows you to turn several route guidance information options on and off.



To access this menu, do the following:

1. Touch the **NAV** (navigation menu) button located at the bottom of the map screen.
2. Touch the **NAV SETUP** (navigation setup) button.

Use the up and down scroll arrows on the screen to scroll through the menu pages.

The following menu items will appear on the screen:

- **GUIDANCE VOICE**

  If you would like to change the language of the navigation voice prompts, touch the button associated with the desired language.

  Available languages are as follows:

  - **ENG** (English language)

    This is the default setting.

  - **ARB** (Arabic Language)

- **VOICE GUIDE IN ALL MODE**

  This feature allows you to hear navigation voice guidance prompts while the system is in audio mode.

  Touch the **ON** button to turn this feature on.

  Touch **OFF** to turn this feature off.

- **ESTIMATED TRAVEL TIME**

  This feature allows you to turn on or off the estimated time to travel from your current position to the destination. The estimated travel time is based on the calculated route information and the vehicle's average speed.

  Touch the **ON** button to turn this feature on.

  Touch **OFF** to turn this feature off.

- **ENTER SPEED CHANGE?**

  This feature allows you to adjust the estimated speeds for Freeway, Main street, or Residential driving.

  Touch the **YES** button.

  The **CHANGE SPEED** menu will appear.

  Touch the arrow buttons under each road type to increase or decrease the speed, or touch the **DEFAULT** button to choose the factory speed settings.

  Note:

  The maximum allowable speed that can be set is 150 km/h (95 mph).

- **AUTO REROUTE**

  When your destination is set and you are off the planned route, the system will automatically begin to reroute. You will be able to see the new route highlighted on the screen.

  Touch the **ON** button to turn this feature on.

  Touch **OFF** to turn this feature off.

- **CURRENT STREET NAME**

  When this feature is on, the display will show the name of the street on which the vehicle is currently traveling.

  Touch the **ON** button to turn this feature on.

  Touch **OFF** to turn this feature off.

- **CALIBRATE SYSTEM?**

  This feature allows you to recalibrate the navigation system in the event that the vehicle position is displayed incorrectly on the map, or in case there is a problem with the vehicle speed signal.

  If you experience problems with your system, you may need to calibrate the system. This may be due to tire pressure differences, if a spare tire is installed, or if the vehicle is relocated a great distance.

  Touch **YES** to calibrate the system.

  Touch **NO** to retain the current settings.

- **SELECT DEFAULTS?**

  This feature will automatically reset the system to its default values.

  To restore the default settings, touch the **YES** button.

  Touch **NO** to retain the current settings.

- **MAP COLOR (DAY)**

  This feature allows you to adjust the daytime map appearance.

  When this menu appears on the display, you may choose between the following options:

  - **NORMAL**
  - **AUTO**
  - 1
  - 2
  - 3
  - 4

The **AUTO** setting will change the map appearance automatically every three months.

The numbered settings vary the color scheme of the map display.

Once the desired color setting has been chosen, press the **NAV** hard key to view the adjusted map color.

- **MAP COLOR (NIGHT)**

  This feature allows you to adjust the nighttime map appearance.

  When this menu appears on the display, you may choose between the following options:

  - **NORMAL**
  - **AUTO**
  - 1
  - 2
  - 3
  - 4

The **AUTO** setting will change the map appearance automatically every three months.

The numbered settings vary the color scheme of the map display.

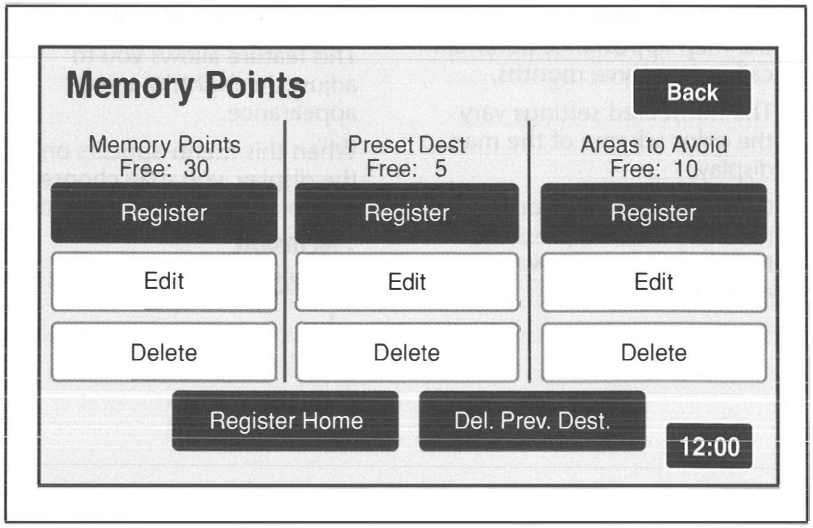
Once the desired color setting has been chosen, press the **NAV** hard key to view the adjusted map color.

MEMORY POINTS

This menu allows you to store, edit and delete memory points.

To access this menu, do the following:

1. Touch the **NAV** (navigation menu) button located at the bottom of the map screen.
2. Touch the **MEMORY POINTS** button.



The menu is divided into the following parts:

- **MEMORY POINTS**
- **PRESET DEST**
- **AREAS TO AVOID**

See the following pages for information on these features.

REGISTERING MEMORY POINTS

To register a location as a memory point, do the following:

1. Touch **REGISTER** under **MEMORY POINTS** on the screen.

   The Destination Entry screen will be displayed.

2. Choose a destination entry method and enter the location you wish to store as a memory point.

3. When you are finished, touch **OK**.

   A map will appear with the destination represented by a flag.

4. Touch the **REGISTER POINT** button to store the location as a memory point.

   You may choose from among three pages of different icons, one page of which are sound icons.

   You can also touch **NO ICON** if you do not wish to choose an icon.

   A total of 30 memory points can be stored.

Note:

You can also register a memory point using the **NAV OPTIONS** (navigation options) menu.

See the following for more information:

- Navigation Options Menu

EDITING MEMORY POINTS

With this feature, you are able to edit the registered memory points that are stored in the system.

To edit a memory point, do the following:

1. Touch **EDIT** under **MEMORY POINTS** on the screen to edit a stored memory point.
2. Select the memory point you wish to edit.
3. Touch **CHANGE** if you wish to change one or more of the following features associated with the stored memory point:
   - Name of a memory point
   - Location of a memory point on the map
   - Icon
   - Phone number of a memory point
   - Displaying a Memory Point Name on the Map

   Touch the **ON** or **OFF** button to turn this feature on or off.

   If you would like to register the memory point with a corresponding icon and sound, touch the **WITH SOUND** button and select the desired sound.

The memory points can be sorted by date, name, and icon.

See the following for more information:

- Destination Entry Method: Memory Point

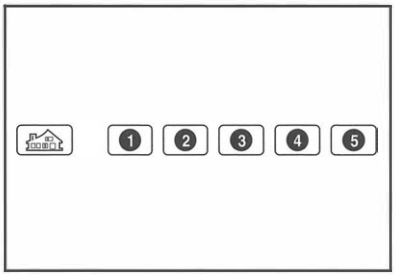
DELETING MEMORY POINTS

This feature allows you to delete stored points from the list.

To delete a memory point:

1. Touch **DELETE** under **MEMORY POINTS** on the screen to delete a stored memory point.
2. Select the memory point you want to delete.

To delete all memory points in all categories, select the **DELETE ALL** button.



Preset Destinations

This feature allows you to store, edit and delete up to five preset destinations.

Each preset destination is stored to one of the numbered, touch-sensitive buttons at the bottom of the Destination Entry screen.

Note that while the vehicle is moving, only the "Preset Destination" and "Home" destination entry methods are available for selection. The other destination entry methods are not available while the vehicle is moving.

REGISTERING PRESET DESTINATIONS

To store a location as a preset destination, do the following:

1. Touch the **NAV** (navigation menu) button located at the bottom of the map screen.
2. Touch the **MEMORY POINTS** button.
3. Touch **REGISTER** under **PRESET DEST** (preset destinations) on the screen to store the current map location as a preset destination. Touch the numbered preset destination button you wish to program.
4. Enter your destination and route settings.

   See the following for more information:

   - Destination Entry Methods
5. A map will appear with the destination shown.

   Touch the **REGISTER POINT** button to store the location as a preset destination.

   Whenever you touch a numbered preset destination button on the Destination Entry screen, a route will be calculated to this destination.

EDITING PRESET DESTINATIONS

To edit a stored preset destination, do the following:

1. Touch the **NAV** (navigation menu) button located at the bottom of the map screen.
2. Touch the **MEMORY POINTS** button.
3. Touch **EDIT** under **PRESET DEST** (preset destinations) on the screen to edit a preset destination.

4. Select the preset destination you wish to edit.

   The name, location, information, and phone number can be edited for each stored preset destination.

5. Make the desired change.
6. Register the modified preset destination.

DELETING PRESET DESTINATIONS

To delete a preset destination, do the following:

1. Touch the **NAV** (navigation menu) button located at the bottom of the map screen.
2. Touch the **MEMORY POINTS** button.
3. Touch **DELETE** under **PRESET DEST** (preset destinations) on the screen to delete a stored preset destination.
4. Select the preset destination you wish to delete.

To delete all preset destinations, select the **DEL. ALL** (delete all) button.

Home

You can register one specific destination using the home feature. This feature should be used to store a destination that you frequently travel to.

To register a location as your home memory point, do the following:

1. Touch the **NAV** (navigation menu) button located at the bottom of the map screen.
2. Touch the **MEMORY POINTS** button.

3. Touch the **REGISTER HOME** button.

   The **REGISTER HOME** screen will appear.

4. Choose a destination entry method and enter the location you wish to store as your home destination.

   A map will appear with the destination shown.

5. Touch the **REGISTER POINT** button to store the location as the home destination.

   Whenever you touch the home icon on the Destination Entry screen, a route will be calculated to this destination.

Once a home destination is stored, the **REGISTER HOME** button will change to read **DELETE HOME**. Touch this button to delete the currently stored home location.

Avoid Area

This feature will let you register, edit and delete an area to avoid while planning a route. The system can also save these areas in memory so it will automatically avoid areas when planning a route.

REGISTERING AN AVOID AREA

To register an avoid area, do the following:

1. Touch the **NAV** (navigation menu) button located at the bottom of the map screen.
2. Touch the **MEMORY POINTS** button.
3. Touch the **REGISTER** button under **AREAS TO AVOID** on the screen to set your avoided area.
4. Select the avoid area using the Destination Entry screen.

   See the following for more information:

   - Destination Entry Methods

   See "Destination Entry Methods" later in this section.

   If desired, reduce or enlarge the area around the point you want to avoid by using the down or up arrows on the screen.

   A total of 10 areas can be stored.

EDITING AVOID AREAS

To edit an avoid area, do the following:

1. Touch the **NAV** (navigation menu) button located at the bottom of the map screen.
2. Touch the **MEMORY POINTS** button.
3. Touch **EDIT** under **AREAS TO AVOID** on the screen to edit a stored avoid area.

   You can change the name, location, and size of the selected avoid area.

4. Select the avoid area you wish to edit.
5. Make the desired change.
6. Touch **BACK** twice to return to the **MEMORY POINTS** screen.

DELETING AVOID AREAS

To delete an avoid area, do the following:

1. Touch the **NAV** (navigation menu) button located at the bottom of the map screen.
2. Touch the **MEMORY POINTS** (memory points) button.
3. Touch **DELETE** under **AREAS TO AVOID** on the screen to delete a stored avoid area.
4. Select the avoid area you wish to delete.

To delete all stored avoid areas, select the **DEL. ALL** (delete all) button.

Previous Destination

The feature allows you to view and delete some or all previous destinations stored in the system.

To delete a destination from the list, do the following:

1. Touch the **NAV** (navigation menu) button located at the bottom of the map screen.
2. Touch the **MEMORY POINTS** button.
3. Touch **DEL. PREV. DEST.** (delete previous destination) to view the list of previous destinations.

4. Select the destination you want to delete.

   A confirmation window will appear.

5. Touch **YES** to delete the destination.

   Touch **NO** to cancel the operation.

To delete all destinations from the list, do the following:

1. Touch the **NAV** (navigation menu) button located at the bottom of the map screen.
2. Touch the **MEMORY POINTS** button.
3. Touch **DEL. PREV. DEST.** (delete previous destination) to view the list of previous destinations.
4. Touch **DEL. ALL** (delete all) to delete all previous destinations.

   A confirmation window will appear.

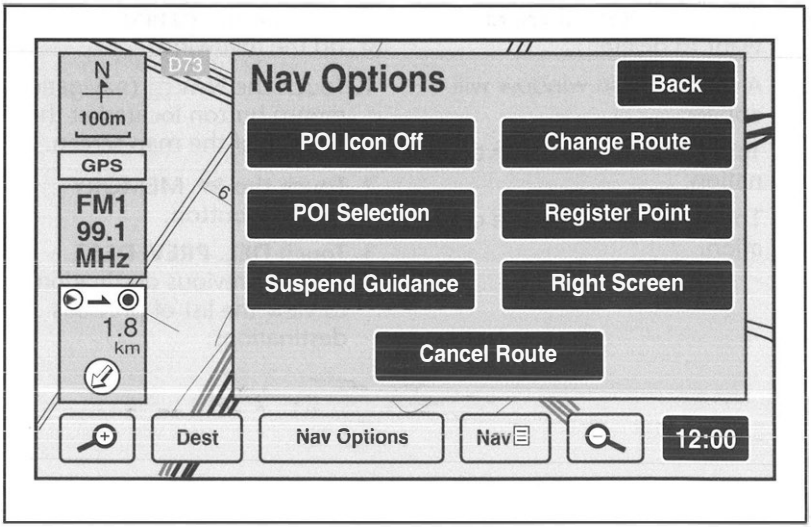
5. Touch **YES** to delete all of the destinations from the list.

   Touch **NO** to cancel the operation.

■ NAVIGATION OPTIONS MENU

To access this menu, do the following:

- Touch the **NAV OPTIONS** (navigation options) button located on the bottom of the map screen.



This menu allows you to set up the following options for the guidance screen displayed on the map while on a planned route.

- **POI ICON ON/OFF** (point of interest icon on/off)

  Touch this button to turn the point of interest icons displayed on the map screen on or off.

- **POI SELECTION** (point of interest selection)

  Touch this button to select which types of point of interest locations will be displayed on the map screen.

  See "Point of Interest Customization" for information.

- **SUSPEND GUIDANCE**

  Select this item to temporarily pause guidance to all currently programmed destinations. You will no longer receive voice prompts for navigation.

  The current route will be stored in memory.

  While guidance is paused, the **RESUME GUIDANCE** button will appear on the screen.

  Touch **RESUME GUIDANCE** to turn guidance back on and resume the current route.

- **CANCEL ROUTE**

  Touch this button if you would like to cancel the current destination on a planned route.

  A confirmation window will appear.

  Touch **YES** to confirm your choice.

  The system will recalculate the route using the next destination on the planned route, if available.

  Touch **NO** to cancel the operation.

- **CHANGE ROUTE**

  This feature allows you to change the search condition for the current route while the vehicle is in motion.

  See "Change Route" for information.

- **REGISTER POINT**

  This feature allows you to register a marked point or a memory point.

  The new destination will be represented by a flag on the map screen.

  See "Memory Points" for more information.

- **RIGHT SCREEN**

  If a split screen is currently displayed, touch this button to adjust the options for the screen located on the right.

  See "Map Appearance" for more information.

If you are viewing the map screen and the location shown is not the same as the current vehicle location, touch the **NAV OPTIONS** (navigation options) button to access additional ways to revise the current route.

The **NAV OPTIONS** pop-up menu will appear.

On this screen, the following touch-sensitive buttons are available:

- **POI ICON ON/OFF**

  Touch this button to turn the point of interest icons displayed on the map screen on or off.

- **SET DESTINATION**

  Touch this button to set the current map location as your final destination.

- **ADD WAYPOINT**

  This feature allows you to add the current map location as a waypoint on the current route.

  See "Destination Preview" for more information.

- **REGISTER POINT**

  This feature allows you to register a marked point or a memory point.

  The new destination will be represented by a flag on the map screen.

  See "Memory Points" for more information.

Point of Interest Customization

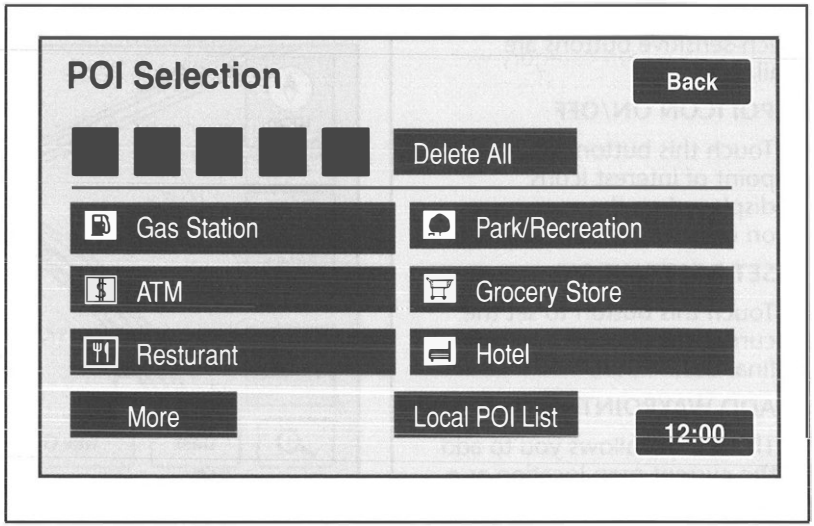
This feature allows you to select which point of interest types will appear on the map screen while driving on a planned route.

Touch the **NAV OPTIONS** (navigation options) button located on the bottom of the map screen.

Touch the **POI SELECTION** (point of interest selection) button on the **NAV OPTIONS** screen.

The **POI SELECTION** screen will appear.

Select the category desired.



A maximum of five categories can be chosen to appear on the map screen.

Selected category icons will appear at the top of the screen and on the map screen.

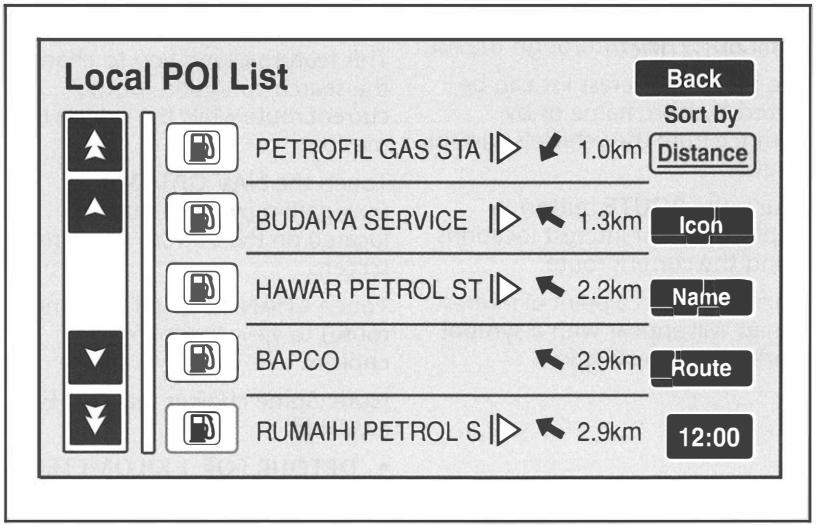
NOTE:

If a selected icon category was already displayed on the map, then selecting the category will remove the icons from the map.

Touch the **MORE** button to view additional categories.

Touch the **DELETE** button next to the category to remove the icon from the map.

From the **POI SELECTION** (point of interest selection) screen, you can also touch **DELETE ALL** to delete all selected categories. The list of icons at the top of the screen will be cleared and no icons will appear on the map.



Searching for Local Points of Interest

Once you have chosen a category, you can search for local point of interest locations in the selected category.

Touch the **LOCAL POI LIST** (local point of interest list) button to display a list of the closest point of interest locations.

Touch the up or down arrow to scroll up or down through the list.

The point of interest list can be sorted by icon, name or by distance from the vehicle's current location.

Touch the **ROUTE** button to display point of interest locations along the current route.

Once you select a point of interest, a map will appear with a symbol marking the destination.

Change Route

This feature allows you to change the search condition for the current route while the vehicle is in motion.

Touch the **NAV OPTIONS** (navigation options) button located on the bottom of the map screen.

Touch **CHANGE ROUTE** (change route) to view the following choices.

Note: Some choices may not be available.

- **DETOUR FOR 1 KILOMETER?**

  This feature allows you to detour 1 km (0.62 mile) around the vehicle's current location.

  Touch **YES** to select this option.

- **DETOUR FOR 3 KILOMETERS?**

  This feature allows you to detour 3 km (1.9 miles) around the vehicle's current location.

  Touch **YES** to select this option.

- **CHANGE TO FASTEST?**

  This feature allows you to recalculate the current route using the fastest route method.

  Touch **YES** to select this option.

- **CHANGE TO SHORTEST?**

  This feature allows you to recalculate the current route using the shortest route method.

  Touch **YES** to select this option.

- **REROUTE FROM ADJACENT ROAD?**

  This feature allows you to recalculate the current route using another road on the route that is near the vehicle's current location.

  Touch **YES** to select this option.

■ MAPS

This section includes basic information that you need to know about the map database.

The maps are stored on one DVD.

If a regional map does not recognize a specific name of a town, the map DVD may not contain the town or the town name may be misspelled.

See the Navigation System Map Disc manual to view the explanation of map coverage and the detailed city lists in each region. This manual should be in your map DVD case.

Installing the Map DVD

See "Getting Started" in Section 1.

Ejecting the Map DVD

1. Press and hold the ⏏ (open/close faceplate) button for approximately 12 seconds.

   The faceplate will then release and open quickly.

2. Press the eject button next to the slot to eject the map DVD.

NOTICE

If you try to close the screen by pushing down on the center and not the outer edges, the screen could be damaged. The repairs would not be covered by your warranty.

Always use the outer edges when closing the screen.

3. To close the screen, push up slightly on the two outer top corners until the screen is in position.

   Push the screen inward using the four outer corners until you hear a click.

NOTE:

In order to use navigation mapping features, the mapping data DVD must be loaded in the map DVD loading slot.

Setting the Search Area

See "Setting the Search Area" under "Enter Destination" for information.

Map Adjustments

The system allows you to adjust the scale of view on the map. Also, the map will scroll automatically based on the direction you are traveling.

Map Scales

To view a larger or smaller scale of the map, touch the zoom in or zoom out buttons.

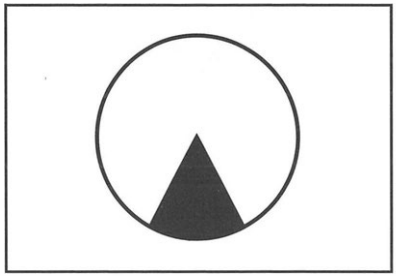
The scale of a map can range from 50 m (1/32 of a mile) to 200 km (125 miles).

Note:

Some areas of the map may not be readable when the map is set to the largest scale.

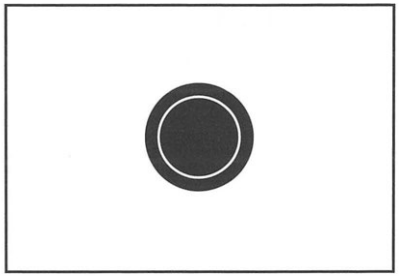
Symbols

The following symbols are the most common that will appear on a map screen.



Vehicle Symbol

Your vehicle is shown as this symbol. It indicates the current position and heading direction of your vehicle on the map screen.



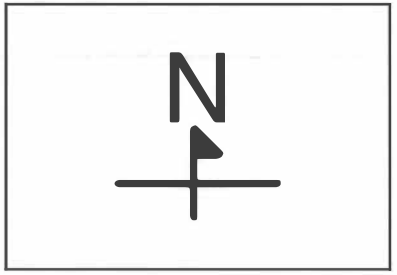
Destination Symbol

After a route has been planned, this symbol will appear on the map to show your destination.

Waypoint Symbol

When a waypoint has been selected, you will see this symbol on the map.

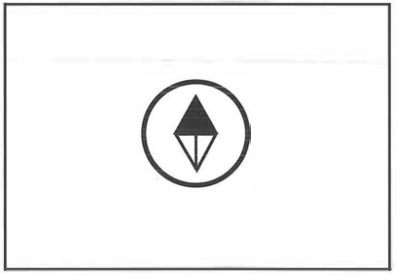
The waypoint symbol will be numbered from one through five depending on how many waypoints have been set.



North Up and Vehicle Up Symbols

This symbol indicates that the map view is North up.

While in North up mode, North will always be at the top of the map screen regardless of which direction the vehicle is traveling.



This symbol indicates that the map view is vehicle up.

The vehicle icon will always travel up on the map screen regardless of compass direction.

The shaded triangle indicates North.

Touch the vehicle up symbol once it's displayed on the map screen to switch to a three-dimensional view of the map.

Touch the North Up or Vehicle Up symbol to switch between the three views.

Distance to Destination and Estimated Travel Time Symbol

This symbol will display the distance and the estimated time remaining to your destination.

If you are not on the planned route, an arrow indicating the general direction of your destination is shown. The distance remaining to your destination is also shown. This distance may not be accurate because it is based upon a straight-line measurement while the actual roads you travel to your destination may not reflect a straight line.

If a waypoint is stored on the planned route, this symbol will show the straightline distance to the next destination on the route instead of the final destination.

The number of the waypoint will appear next to the distance measurement.

Once you enter the planned route, the actual calculated distance and estimated time of arrival at your final destination will be shown. If a waypoint is stored on the route, this symbol will show the actual calculated distance and estimated time of arrival at the next destination on the route instead of the final destination.

The number of the waypoint will appear next to the distance and time.

The directional arrow will not be shown on the map screen after you begin traveling on the planned route.

Satellite Signal Unavailable Symbol

GPS (global positioning system) is displayed whenever the Navigation System is unable to receive the Global Positioning System signal.

See "Global Positioning System (GPS)" for more information.

■ TRAVELING ACROSS REGIONS

If you plan to drive across regions, you may have to change the region selected to represent the area you are traveling to.

- *First Method:*

  Change the search area when you get closer to the area you are traveling to.

- *Second Method:*

  Change the search area when entering your destination and route settings.

See "Enter Destination" for more information.

■ GLOBAL POSITIONING SYSTEM (GPS)

The Navigation System determines the position of your vehicle by using satellite signals, various vehicle signals and map data.

The Global Positioning System shows the accurate current position of your vehicle using signals sent by Global Positioning System satellites. When your vehicle is not receiving signals from the satellites, a symbol will appear on the map screen.

See the following, earlier in this section, for more information:

- Maps
  - Symbols

    "Satellite Signal Unavailable" Symbol

At times, other interferences such as the satellite condition, road configuration, the condition of the vehicle and/or other circumstances can interfere with the Navigation System's ability to determine the accurate position of the vehicle.

This system may not be available or interference may occur as a result of any of the following conditions:

- the satellite signal is obstructed by tall buildings, a large truck or a tunnel
- objects are located on the instrument panel
- a satellite is unable to send signals because it is being repaired or improved
- after-market glass tinting has been applied to the vehicle's windows

NOTICE

Do not apply after-market glass tinting to the vehicle's windows. Glass tinting will interfere with the system's ability to receive Global Positioning System signals and may cause the system to malfunction.

You might have to replace the window to correct the problem.

The repairs would not be covered by your warranty.

If you are experiencing a problem, see the following later in this section for more information:

- Vehicle Positioning
- Problems with Route Guidance
- If the System Needs Service

■ VEHICLE POSITIONING

At times, the position of the vehicle on the map may be inaccurate due to one or more of the following reasons:

- The road system has changed.
- The vehicle is traveling on slippery road surfaces such as sand, gravel and/or snow.
- The vehicle is being driven on winding roads.
- The vehicle is being driven on a long straight road.
- The vehicle is approaching a tall building or a large vehicle.
- The surface streets run parallel to a motorway.
- The vehicle has just been transferred by a vehicle carrier or a ferry.
- The current position calibration is set incorrectly.
- The vehicle is being driven at high speeds.
- The vehicle is repeating a change of directions by going forward and backward, or the vehicle is turning on a turn table in a parking lot.

- The vehicle is entering and/or exiting a parking lot, garage or a lot with a roof.
- If the Global Positioning System signal is not received.
- The vehicle has a roof carrier installed on it.
- The vehicle has tire chains on it.
- The tires have been replaced.
- The tire pressure is incorrect.
- The tires are worn.
- The first time the map DVD is inserted.
- The battery is disconnected for several days.
- The vehicle is driven in heavy traffic where driving is at low speeds and the vehicle is stopped and started repeatedly.

If you experience problems with your navigation system, you may need to calibrate the system.

To calibrate the system, see the following:

- Navigation Setup
  - Calibrate System

■ PROBLEMS WITH ROUTE GUIDANCE

Inappropriate route guidance may occur under one or more of the following conditions:

- The vehicle did not turn onto the road indicated by the system.
- With automatic rerouting, route guidance may not be available for the next right or left turn.
- The route may not be changed during automatic rerouting.

- When turning at an intersection, there is no route guidance.
- In some cases, plural names of places may be announced.
- It may take a long time to operate automatic rerouting during high-speed driving.
- If you are heading for a destination without passing through a set waypoint, automatic rerouting may display a route returning to the set waypoint.
- The route prohibits the entry of a vehicle due to a regulation by time or season or any other regulation which may be given.
- Some routes may not be searched.
- If there are new roads, if roads have recently changed or if certain roads are not listed on the map DVD, the route to the destination may not be shown. See "Ordering Map DVDs" in this section.

If you experience problems with your navigation system, you may need to calibrate the system.

To calibrate the system, see the following:

- Navigation Setup
  - Calibrate System

■ IF THE SYSTEM NEEDS SERVICE

If you are still experiencing difficulty with your navigation system and have read the information in this guide, see your dealer for assistance.

■ ORDERING MAP DVDS

The map DVD in your vehicle contains the most up-to-date information available when your vehicle was purchased. The map DVD is updated periodically, provided that the map information has changed. To order a new map DVD, contact your dealer.

■ DATABASE COVERAGE EXPLANATIONS

The maps are stored on one DVD.

Coverage areas within your region vary with respect to the level of map detail available for any given area.

Some areas will feature greater levels of detail than others. If this happens, it does not mean there is a problem with the system.

As map DVDs are updated, more detail may become available for areas which previously had limited detail.

See "Ordering Map DVDs" earlier in this section.

For more detailed information on database coverage, see the Navigation System Map Disc manual included inside the map DVD case.

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■ AUDIO SYSTEM

NOTICE

Added sound equipment - such as an audio system, a CD player, a CB radio, mobile telephone or two-way radio - may interfere with the operation of your vehicle's engine, radio or other systems, and even damage them. Check with your dealer.

Also check applicable rules covering mobile radio and telephone units.

NOTICE

If your vehicle's navigation system is removed or additional equipment is added, your vehicle's chimes may be disabled.

Certain accessories may not be compatible with your vehicle.

See your dealer for more information.

Also, see "Accessories and Modifications" in your vehicle owner's manual.

The audio system is operated using menus located on the navigation system screen. The audio menus are explained in this section.

Your audio system is equipped with the following audio sources:

- Radio
- CD Player

In order for this feature to work, the ignition must be on or Retained Accessory Power must be active.

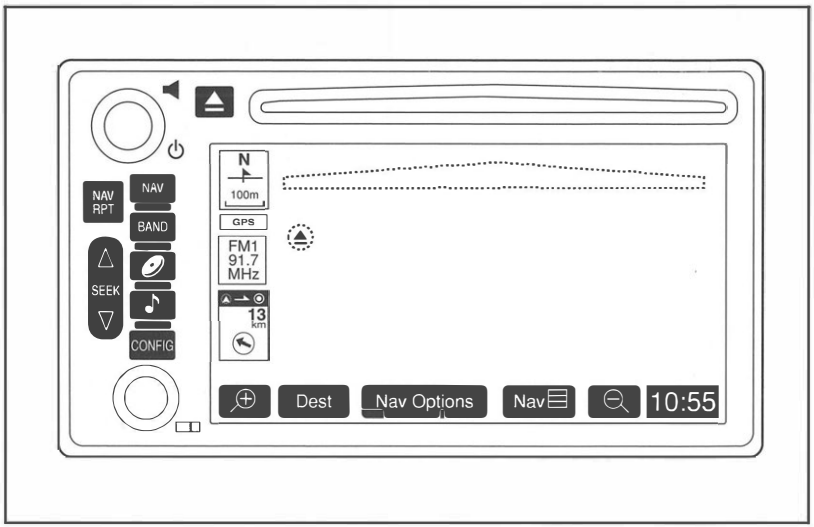
See "Retained Accessory Power" in your vehicle owner's manual for more information.

RADIO

The basic controls consist of buttons (or "hard keys"), knobs and a touch-sensitive screen.

POWER CONTROL

Press lightly on the top knob to turn the system on. Press it again to turn the system off.



VOLUME CONTROL

Rotate the top knob to the right to increase the volume and to the left to decrease the volume.

Your sound system is equipped with the speed-compensated volume feature.

See the following, later in this section, for more information:

- Speed Compensated Volume (SCV)

Finding a Station

BAND SELECTION

To access the radio band screen, do either of the following:

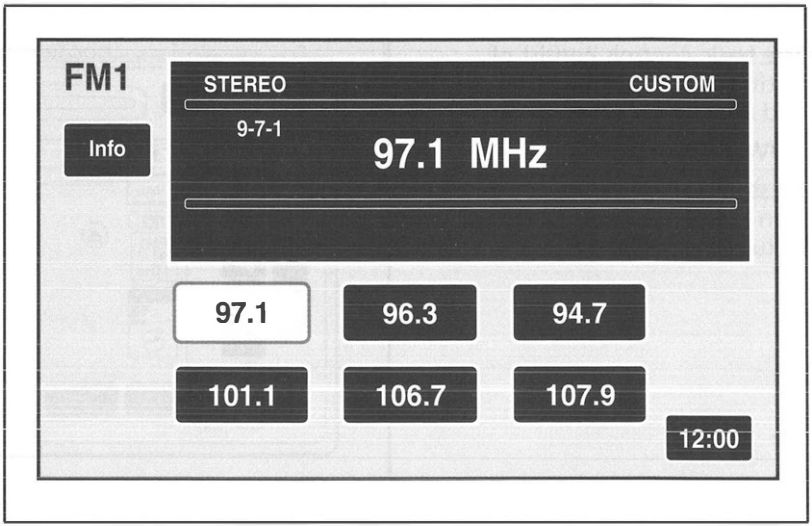
- Press the **BAND** hard key.

or

- Touch the AM/FM Band Indicator on the map screen.

  See the following for more information:

  - Navigation System Overview



The station frequency will appear on the display and the following touch-sensitive buttons:

- Six touch-sensitive preset station buttons appear at the center of the screen.

  See "Setting Preset Stations" later in this section for more information.

- Time Display

  See "Clock Menu" for more information.

- If available, touch the **INFO** (information) button to view Radio Data System (RDS) messages.

  RDS features are only available for use on FM stations which broadcast RDS information.

  RDS is not available in the region where your vehicle was first sold.

  See "Radio Data System" for information.

TUNING

Turn the lower knob to choose radio stations.

STATION SEEKING

To search for stations, use the **SEEK** up or down arrows.

Press the up or down arrow on the **SEEK** switch to tune the radio to either a higher or lower station.

The radio will not stop on stations with weak reception.

STATION SCANNING

To scan stations, press and hold either **SEEK** arrow for two seconds until you hear a beep. The radio will go to the next or previous station, play for a few seconds, then go on to the next station.

The radio will not stop on stations with weak reception.

Press it again to stop the scanning function.

Preset Station Scanning

To scan preset radio stations, press and hold either **SEEK** arrow for more than four seconds. You will hear two beeps and **PSCAN** (preset scan) will appear on the display. The radio will go to the first preset station stored, play for a few seconds, then go on to the next preset station.

The radio will not stop on stations with weak reception.

Press it again to stop the scanning function.

SETTING PRESET STATIONS

The six touch-sensitive buttons allow you to store your six favorite stations for each radio band.

To store a preset:

1. Turn the audio system on.
2. Press the **BAND** hard key until the desired source appears on the display.
3. Tune in the station.
4. Touch and hold one of the six preset buttons until you hear a beep.
5. If desired, press the ♪ (audio) hard key to set the tone for your preset.

   See "Audio Menu" later in this section for more information.
6. Repeat the steps for each preset and source.

Audio Menu

To view the **AUDIO** screen, press the ♪ (audio) hard key.

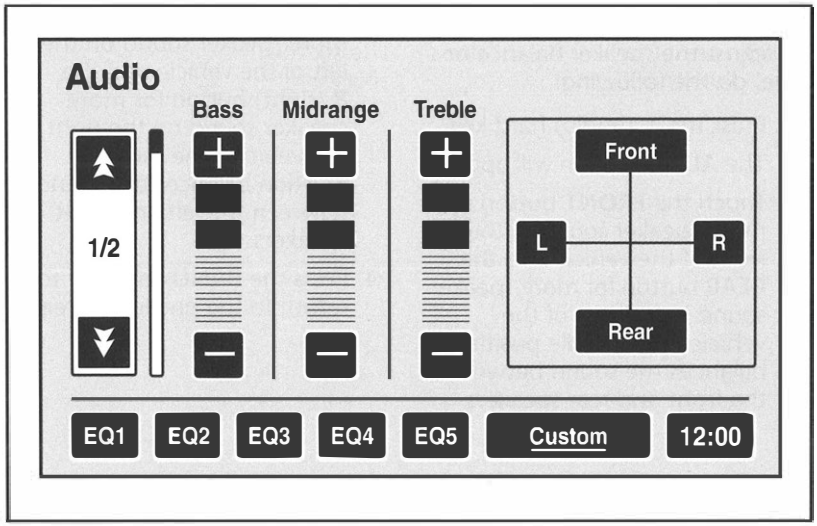
Use the up and down scroll arrows on the screen to scroll through the pages.

MANUAL TONE ADJUSTMENT

To adjust your bass, treble and midrange, do the following:

1. Press the ♪ (audio) hard key.

   The **AUDIO** screen will appear.



2. Manually set the levels for the bass, midrange and treble tones.

   Touch the plus (+) or minus (-) buttons to select the desired level.

3. Press the **BAND** hard key to return to the previous screen.

ADJUSTING THE SPEAKERS

To adjust the speaker balance or fade, do the following:

1. Press the ♪ (audio) hard key.

   The **AUDIO** screen will appear.

2. Touch the **FRONT** button for more speaker sound in the front of the vehicle and the **REAR** button for more speaker sound in the rear of the vehicle. The middle position balances the sound between the front and rear speakers.
3. Touch the **L** (left) button for more speaker sound on the left of the vehicle and the **R** (right) button for more speaker sound on the right of the vehicle. The middle position balances the sound between the left and right speakers.
4. Press the **BAND** hard key to return to the previous screen.

EQUALIZATION SETTINGS

This feature allows you to choose one of several preset bass, midrange and treble equalization settings that suit different kinds of music or radio stations.

1. Press the ♪ (audio) hard key.

   The **AUDIO** screen will appear.

2. Touch one of the buttons, **EQ1** through **EQ5**, to select the desired automatic tone control setting.
3. To return tone control to the manual mode, adjust your bass, treble and midrange manually.

Then, press and hold **CUSTOM** until you hear a beep.

To store an equalization setting for a preset station:

1. Turn the audio system on.
2. Press the **BAND** hard key to access the desired AM/FM screen.
3. Press the ♪ (audio) hard key.

   The **AUDIO** screen will appear.
4. Touch one of the buttons, **EQ1** through **EQ5**, to select the desired automatic tone control setting.
5. Press the **BAND** hard key to return to the previous screen.
6. Touch and hold one of the six preset buttons until you hear a beep.

   The equalization setting stored for the station will be automatically chosen whenever you select the preset station.
7. If desired, repeat the procedure for additional presets.

SPEED COMPENSATED VOLUME (SCV)

Your sound system is equipped with the speed-compensated volume feature.

This feature automatically compensates for the increase in road noise levels at higher speeds.

1. Press the ♪ (audio) hard key.

   The **AUDIO** screen will appear.
2. Touch the down arrow to display the menu's next page.

3. Adjust the volume to the desired level by rotating the upper knob.

   You may choose between **LOW**, **MED**, **HIGH** and **OFF**.

Touch **OFF** to turn this feature off.

Radio Data System (RDS)

RDS features are only available for use on FM stations which broadcast RDS information.

When you are tuned to an RDS station, the station name will appear on the display with the frequency.

In rare cases, a station may broadcast incorrect information that will cause the radio features to work improperly. If this happens, please contact the radio station.

RADIO DATA SYSTEM (RDS) AVAILABILITY

In areas where the Radio Data System is not available, your radio's **RDS** (Radio Data System) mode is not operable, and should not be activated.

As your vehicle was purchased in an area where RDS information is not available, do not activate RDS features. If RDS is activated by accident, you should turn it off.

If you accidentally touch the **INFO** (information) button on an FM source menu screen, simply do not activate any RDS features. If an RDS feature is not selected, the system will return to the previous menu.

COMPACT DISC PLAYER

You can play a CD by sliding the CD into the single CD player slot located above the navigation system screen.

The **DISC CHECK IN PROCESS** message will appear on the display.

After the disc check is complete, the disc will begin to play.

If the ignition or the radio is turned off, the compact disc will stay in the player. When the ignition and radio are turned on, the compact disc will resume play at the point where it stopped.

Normal size discs can be loaded into the compact disc player. However small, 8 cm discs can only be played with specially designed adaptors.

If playing a CD-R, the sound quality may be reduced due to CD-R quality, the method of recording, the quality of the music that has been recorded, or the way the CD-R has been handled. You may experience an increase in skipping, difficulty in finding tracks and/or difficulty in loading and ejecting. If these problems occur, check the bottom of the CD for damage or try a known good CD.

NOTICE

Do not apply paper labels to discs. The labels may get caught in the player.

Do not use scratched or damaged discs.

Keep other items, liquids and debris away from the loading slot.

See "Disc Error" later in this section for more information.

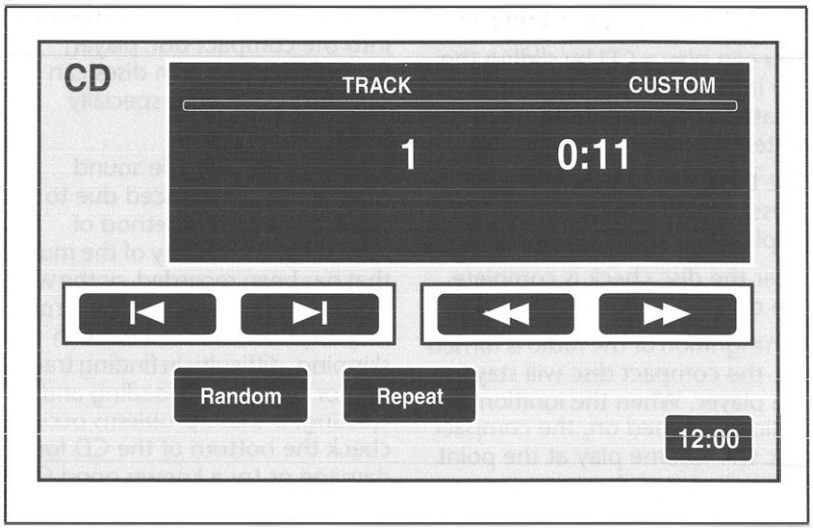
Playing a Compact Disc

The basic controls consist of buttons (or "hard keys"), knobs and a touch-sensitive screen.

Use the volume, tone, and speaker controls just as you do for the radio. Other controls may have different functions when a disc is inserted.

Insert the music disc part-way into the slot. The player will pull it in the rest of the way.

Press the hard key to display the **CD** menu screen.



On this screen, the following touch-sensitive buttons are available:

- **RANDOM**: Touch this button to play the tracks randomly rather than in sequence. Touch the button again to stop this function.

- **REPEAT**: Touch this button to listen to a selection again. The current selection will continue to repeat. Touch this button again to turn off repeated play.
- ◀◀ (Rewind): Press and hold this button to rewind quickly through a track selection.

  As the CD reverses, the elapsed time will be displayed to help you find the correct passage.
- ▶▶ (Forward): Press and hold this button to fast forward quickly through a track selection.

  As the CD advances, the elapsed time will be displayed to help you find the correct passage.
- To move ahead to the beginning of the next track, press the ▶I (track forward) or **SEEK** ▲ button. To restart the current track, or to play the previous track, press the I◀ (track reverse) or **SEEK**▼ button.

Seeking

To move ahead to the beginning of the next track, press the **SEEK**▲ hard key. To restart the current selection if it has been playing for more than two seconds, or to play the previous selection, press the ▼**SEEK** hard key.

Scanning

Press and hold either **SEEK** arrow for more than two seconds to sample a few seconds of the beginning of each track.

CD TRACK SCAN (scanning compact disc tracks) will appear on the display.

A chime will also sound.

Press either arrow again to stop scanning.

Source Selection

Press **BAND** to stop playing the disc and switch to the radio.

Press ⏾ to restart the disc.

Tone Control

While the **CD** menu is displayed, press the ♪ (audio) hard key to set the tone for the compact disc player.

See "Audio Menu" earlier in this section for more information.

Ejecting Discs

Press ⏏ (located next to the compact disc slot) to eject the disc.

Disc Error

If **CD ERROR** appears, it means there is an error. The cause may be extreme heat, rough road, moisture or a damaged or improperly loaded disc. The disc will not play. The disc will play when conditions are back to normal.

If **NO MUSIC DISC** appears, the map DVD was inserted in the compact disc slot.

Press ⏏ (located next to the compact disc slot) to eject the map DVD.

If the ● hard key is pressed and a disc is not loaded in the CD player, the message **NO DISC** will appear on the display.

Contact your dealer if an error occurs repeatedly and cannot be corrected.

Provide your dealer with any displayed error codes when servicing your CD player.

Care of Your Compact Disc Player

The use of CD lens cleaners is not advised. The use of lens cleaners may result in contamination of the CD optics lens.

See your vehicle's owner's manual for information.

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